

NINTH ANNUAL REPORT

CIVIL SERVICE COMMISSION OF CANADA

FOR THE YEAR ENDED
AUGUST 31
1917

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OTTAWA
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1918

The Honourable
ARTHUR MEIGHEN,
Secretary of State of Canada.

SIR,—In conformity with the provisions of section 44 of the Civil Service Amendment Act, 1908, we have the honour to submit, herewith, a report of the proceedings of the Civil Service Commission of Canada, for the year ended August 31, 1917.

We have the honour to be, sir,

Your obedient servants,

ADAM SHORTT,

M. G. LAROCHELLE,

Commissioners.

*To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.V.O., etc.,
etc., Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY:

The undersigned has the honour to lay before your Royal Excellency the accompanying report of the Civil Service Commission of Canada for the year ended August 31, 1917.

Respectfully submitted,

ARTHUR MEIGHEN,

Secretary of State.

OTTAWA, September 1, 1917.

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REPORT OF THE COMMISSIONERS.

The Civil Service Commissioners hereby submit the ninth Annual Report of the proceedings of the Commission, covering the twelve months from September 1, 1916, to August 31, 1917. The tables of the appendix furnish all the required particulars as to the various examinations which were held during that year, and as to the appointments and promotions made in the Inside Service.

EXAMINATIONS.

Semi-annual examinations.—According to the regulations, the semi-annual examinations are to be held, both for the Inside and the Outside Service, in November and in May. This year, the November tests were postponed to December, in order to permit as many returned officers and soldiers as possible, to try them. In December, they took place in twenty-five Centres of the Dominion, and in May, in twenty-seven. In all, 1,627 candidates were examined, 465 for the Inside, and 1,162 for the Outside Service.

General Competitions, Inside Service.—No Second Division competitive examination took place in December, 1916, but one was held in May, 1917, for fifteen situations. Out of twenty-seven candidates, seventeen were successful, nine men and eight women.

In the Third Division competitions, which were held for 130 positions, 420 candidates were examined, 175 in December, and 245 in May. Ninety-two were successful, seven men and eighty-five women.

Eighteen candidates were also examined for the lower grades of the Inside Service. Fourteen passed.

Special Competitions.—The commission was requested to hold thirty-three special competitions of a professional and technical character for the following positions: three draughtsmen, seven technical clerks, two research chemists, one engineering chemist, one chemist, three assistant chemists, five analysts, two translators, one reporter of debates, one technical assistant, one process photographer, one patent examiner, one assistant engineer.

A number of candidates competed for these positions, and the departments to which the successful ones were assigned appear under the head of permanent appointments.

Outside Service Examinations.—Qualifying examinations were held for clerkships in the Outside Service. Two hundred and forty-four candidates were tested, 112 in December and 132 in May. Forty-nine were successful in the first test, and sixty-seven in the second.

Nine hundred and eighteen candidates were examined in the Preliminary examinations for the Outside Service, 496 in December and 422 in May. Five hundred and seventy-three passed.

Promotion Examinations—Examinations were held under regulation 20, for promotion from the Third to the Second Division. Out of eleven candidates, four were successful.

Naval Cadets Examinations—In the Naval Cadets examinations, thirty-one candidates were examined and twenty passed.

APPOINTMENTS.

Permanent Appointments, Inside Service—Of the nine men who successfully competed for the Second Division in the May examination, only one, as yet, has received a permanent appointment. Such of the others as are exempt from the military service will doubtless be appointed in due course. None of the eight successful female candidates has been appointed, but they were declared eligible for the Third Division or for temporary employment.

As above stated, ninety-two candidates were successful in the Third Division competition examination, seven men and eighty-five women. Seven men and seventy-five women were assigned to permanent positions, and the others have been assigned to temporary situations while waiting for their permanent appointment.

The successful candidates in the special competitions have been permanently appointed to the following departments: Naval Service, two draughtsmen; Mines, one assistant engineer, one engineering chemist, two research chemists, three assistant chemist; Interior, five technical clerks; Inland Revenue, five analysts; Labour, one technical clerk; Trade and Commerce, one translator; Public Works, one process photographer, one technical assistant; Agriculture, one chemist, one technical clerk.

Sixteen appointments of a professional or technical nature were made without competition under section 21 of the Act, with certificates of qualification from the Commission.

Temporary appointments—Four hundred and seventy-three temporary appointments have been made to the Inside Service. The persons appointed satisfied the commission as to their qualifications.

PROMOTIONS.

One hundred and forty-seven promotions were made in the First, Second, and Third Divisions of the Inside Service:—

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GENERAL OBSERVATIONS.

Surplus of officers in Second Division.—During the last few years, the commissioners have noticed a gradual decrease of the number of clerks assigned to

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the Second Division, which, according to section 5 of the Act, should be limited to the junior administrative and technical officers of the department. Somewhat congested by the automatic classification of September, 1908, further unnecessary appointments to that division could only magnify the actual surplus of its employees, and aggravate the situation. In order to obviate the inadequacy of the scale of salary of the clerks of the Third Division, the heads of the departments have been inclined to place them in the Second Division, without due regard to the nature of their duties. In fact, nearly all the successful candidates in the Second Division competitions have been assigned to mere routine work.

Inadequate salary of the Third Division.—It seems to us that the best way to deal with this difficulty would have been a proper increase of the remuneration of the clerks of the Third Division. Such has been the remedy suggested by the commission in its annual reports, and the Government appears to have reached the same conclusion, since a Bill providing for a higher scale of salary was presented to Parliament during the session of 1914.

Owing to inadequacy of the salary attached to the Third Division, the Commission has been unable to secure the required number of young men for the different departments. In a number of cases, positions intended for men had to be filled by women. On the other hand, it cannot be argued that the examinations were too difficult, since a surplus of women have passed them successfully.

Privilege of returned officers and soldiers.—According to the Order in Council of the 16th October, 1916, the returned officers and soldiers securing the required percentages of marks, in the general competitive examinations, are to be preferred to the ordinary candidates.

Four competed in the Second and Third Division examinations, and failed. Three hundred and thirteen tried the preliminary tests, and 233 passed.

Temporary appointments in connection with the war.—A very large number of temporary civil employees were appointed in connection with the war, without any reference to the commission. Greater salaries than those authorized by the Civil Service Act were paid to them, which was a source of serious inconvenience to several departments. The undersigned are of the opinion that the commission could have supplied most of them at the usual rates.

The whole respectfully submitted.

MICHEL LAROCHELLE,
ADAM SHORTT,

Commissioners.

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APPENDIX

THE REGULATIONS OF THE CIVIL SERVICE COMMISSION WITH REFERENCE TO ENTRANCE TO THE SERVICE AND PROMOTION IN THE SERVICE.

(Approved by His Excellency the Governor General in Council, on the 19th April, 1909. Amendments approved on the 22nd February, 1911, the 21st March, 1913, and the 12th April, 1915.)

In accordance with section 10, clause 2, of the Civil Service Amendment Act, 1908, requiring that the duties of the Civil Service Commission "shall be performed in accordance with regulations made by the Commission, and approved by the Governor in Council," the following regulations have been prepared by the Commission:—

EXAMINATIONS FOR ENTRANCE TO THE INSIDE SERVICE.

1. In order to comply with section 13 of the Civil Service Amendment Act, which states that "except as herein otherwise provided, appointment to positions in the Inside Service under that of deputy head shall be by competitive examination, which shall be of such a nature as will determine the qualifications of candidates for the particular positions to which they are to be appointed, and shall be held by the Commission from time to time in accordance with the regulations made by it and approved by the Governor in Council," the Commission will provide for general competitive examinations for entrance to the following divisions and subdivisions of the Inside Service:—

- (a) Clerks for Subdivision B of the Third Division.
- (b) Clerks for Subdivision B of the Second Division.

2. In accordance with section 15 of the Civil Service Amendment Act, the number of competitors to be selected, for appointment to the Service, from those taking the examinations for the above divisions, shall be computed by the Commission on the basis of the reports from the several departments as to their probable requirements for the ensuing six months.

3. The general competitive examinations shall be held twice a year, in the months of May and November. Forms on which applications for these examinations shall be made will be provided by the Commission, and may be had on application to the Secretary of the Commission. Where not less than three candidates make application to take an examination at the same place, general competitive examinations shall be held at the following places: Sydney, Halifax, Yarmouth, Charlottetown, St. John, Fredericton, Moncton, Quebec, Sherbrooke, Montreal, Ottawa, Kingston, Hamilton, Toronto, London, Sault Ste. Marie, Port Arthur, Winnipeg, Brandon, Regina, Saskatoon, Calgary, Edmonton, Nelson, Vancouver and Victoria. Examinations may also be held at such other places as may be selected by the Commission for the convenience of candidates applying for examination.

(2) Where competitive examinations are required involving technical or scientific subjects and necessitating the use of scientific apparatus, it shall not be necessary to hold such examinations at each of the above places, but the Commission shall, as far as possible, arrange for at least one place in each province where such examinations may be taken.

4. Any examination may be taken in the English or French language, at the option of the candidate.

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5. A general examination for messengers, porters, sorters and packers shall be held annually in the month of May, at the same places as the general examinations for the Third and Second Divisions, and shall include the following subjects of the ordinary public school standard: Writing, spelling and the first four rules of arithmetic. The minimum percentage of qualification shall be fifty per cent on each subject and sixty per cent on the whole examination.

6. Where messengers, porters, sorters and packers require certificates of qualification and fitness under section 22 of the Civil Service Amendment Act, the Commission may require any or all of these to pass an examination which shall be as nearly as may be of the same standard as that set for those who take the general examination for entering that grade of the Service.

7. The general competitive examination for clerkships of Subdivision B of the Third Division shall include the following subjects: Writing and copying manuscripts, spelling, composition, arithmetic, geography, history, typewriting. The maximum number of marks for each subject shall be one hundred, except in the subjects of writing and copying manuscripts, for each of which the maximum number shall be fifty marks. No candidate shall be selected for appointment to a position in the Third Division who secures less than fifty per cent of the marks assigned to the subjects of spelling, composition and arithmetic and sixty per cent of the marks assigned to the whole examination. The standard of examination shall require a good general knowledge of the above subjects.

8. Candidates may take, in addition to the foregoing subjects, either or both of the subjects of stenography and book-keeping. Where candidates obtain over sixty per cent of the marks assigned to either or both of these subjects, the marks above sixty per cent may be added to the total of the marks obtained on the compulsory subjects in determining the relative standing of the candidates in the general examination.

9. Persons employed in the Civil Service, in the Third Division, may take the general competitive examination for entrance to the Second Division under the following regulations:—

(1) Such persons must be between the ages of eighteen and thirty-five years at the time of examination.

(2) Their records in the reports to be furnished under the Civil Service Amendment Act must be good.

10. To insure the availability of a sufficient number of competent typewriters and stenographers, the commission may appoint a special competitive examination for typewriters and stenographers, for Subdivision B of the Third Division, which shall include the following subjects: Typewriting, stenography, writing and copying manuscripts, spelling and composition. Successful candidates must obtain at least fifty per cent of the marks assigned to each subject and sixty per cent of the marks assigned to the whole examination.

(2) Where a sufficient number of typewriters and stenographers are not available among those who have taken the full examination for Subdivision B of the Third Division, the requirements of the departments may be supplied by appointing, in order of merit, those who have taken the special examination for typewriters and stenographers.

(3) No one appointed as the result of such special examination shall be considered as eligible for promotion to Subdivision A of the Third Division who has not subsequently qualified in the additional subjects of arithmetic, history and geography, as required for the regular examination for entrance to the Third Division.

11. Where candidates for employment as temporary clerks require certificates of qualification and fitness under section 23 of the Civil Service Amendment Act, the Commission may require any or all of these to pass an examination which shall be as nearly as may be of the same standard as that set for those who take the general examination for entering that grade of the service.

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12. Candidates for the general competitive examination for clerkships of Subdivision B of the Second Division shall take all the subjects in group A of the following list, and any five in group B:—

A.—Writing, Spelling, Composition, Literature, Arithmetic.

B.—Algebra, Geometry, Physics, Chemistry, Geology (including mineralogy), Biology (animal and vegetable), French (for those taking the general examination in English), English (for those taking the general examination in French), Latin, German, History (modern), Political Science, Economics, Geography (general, physical and commercial), Philosophy (scholastic or general), Law (English or Civil).

(2) The maximum number of marks for each subject shall be one hundred, except in the subject of writing, for which the maximum number shall be fifty marks.

(3) No candidate shall be selected for appointment to a position in Subdivision B of the Second Division who secures less than forty per cent of the marks assigned to each subject in group A, and sixty per cent of the marks assigned to the whole group.

(4) No candidate shall be selected for appointment to a position in Subdivision B of the Second Division who secures less than thirty per cent of the marks assigned to each subject in group B, and forty per cent of the marks assigned to the five subjects selected.

(5) The standard of examination shall require a good general knowledge of the subjects selected from the above groups. In order that due regard may be had to the different educational systems in Canada, a curriculum shall be prepared by the Commission showing, with as much detail as possible, the ground to be covered under each of the subjects in the above groups A and B. A copy of this curriculum shall be supplied to any person on making application to the Secretary of the Commission.

13. Candidates may take, in addition to the foregoing subjects, any or all of the subjects of typewriting, stenography, and book-keeping. Where candidates obtain over sixty per cent of the marks assigned to any one or more of these subjects, the marks above sixty per cent may be added to the total of the marks obtained on the whole examination in determining the relative standing of the candidates.

14. Where the deputy head of a department applies to the Commission for a nomination to a clerkship in Subdivision B of the Third Division requiring special qualifications not covered by the general examination for that division, or for a nomination to a clerkship in Subdivision B of the Second Division requiring special qualifications in technical or scientific subjects, a special competitive examination may be provided by the Commission, instead of the general competitive examinations for either of these subdivisions. The subjects for such special examination shall be arranged between the Commission and the deputy head of such department.

15. Where the deputy head of a department applies to the Commission for a nomination to a position above that of Subdivision B of the Second Division, which requires to be filled by appointment from without the Service, the Commission shall, after consultation with the deputy head of the department in which the appointment is to be made, provide a special competitive examination or test, which may or may not involve written answers to questions, but which shall be of such a nature as to secure a person well qualified for the position to be so filled. In determining the qualifications of candidates for such positions, the examination or test shall have special reference to executive ability and tact, such special or professional training as may be required, and a successful experience in duties similar to those pertaining to the positions to be filled.

16. Where the appointment is one which is to be made under section 21 of the Civil Service Amendment Act inasmuch as the person to be appointed requires to obtain from the Commission a certificate that he possesses the requisite knowledge and ability, the Commission, with the consent and co-operation of the head and deputy head of the department in which the appointment is to be made, may arrange a form of examination or test, by which to determine whether the person is qualified. On satisfying the Commission that he is duly qualified, such person will receive the certificate of the Commission.

17. When the selection is made by the head and deputy head of the department without reference to the Commission, the Commission may make such inquiries and appoint such an examination or test to determine the qualifications of the person so nominated as it may deem necessary for an intelligent and responsible discharge of its duties.

PROMOTIONS IN THE INSIDE SERVICE.

18. A candidate who is recommended by the head of a department for promotion, other than from the Third to the Second Division, in order to receive the prescribed certificate of qualification, must satisfy the Commission of his ability to perform the duties of the position to which he is to be promoted. For this purpose the Commission, if it considers an examination necessary, may, after consultation with the deputy head of the department in which the promotion is to take place, prescribe a promotion examination, having regard to the requirements of the subdivision to which the promotion is to be made, and the special duties of the position to be filled.

19. Where there are two or more persons in the employment of a department who are eligible for promotion to any vacant position, the Commission may, at the request of the head of the department, provide a competitive promotion examination limited to those who are declared eligible for promotion. Such an examination shall have regard to the requirements of the subdivision to which the promotion is to be made, and the special duties of the position to be filled. Upon the results of this examination, if satisfactory, the Commission shall issue the required certificate of qualification.

20. Candidates, who under subsection 2 of section 26 of the Civil Service Amendment Act, 1908, are nominated by the head of a department for promotion from the Third to the Second Division must, in order to receive the prescribed certificate of qualification, satisfy the Commission that they are entitled to enter the Second Division. To this end, the Commission, after consultation with the head or deputy head of the department in which the promotion is proposed, shall prescribe a non-competitive promotion examination which, while having special reference to the requirements of the positions to be filled, shall nevertheless insure a qualification substantially equivalent to that required in the open competitive examination for entrance to the Second Division. Such non-competitive promotion examination shall include all of the subjects in group A under regulation 12, any three of the subjects in group B under regulation 12, and two papers on the work of the department in which the candidate for promotion is engaged. The minimum percentages required for passing on the subjects included in group A shall be not less than forty per cent of the marks assigned to each subject and sixty per cent of the marks assigned to the whole group. The minimum percentages required for passing on the subjects selected from group B shall be not less than thirty per cent of the marks assigned to each subject and forty per cent of the marks assigned to the three subjects, also that candidates must obtain at least fifty per cent on each of the papers on the work of the departments in which they are engaged. In the case of a candidate who does not obtain the minimum of forty per cent assigned to the three subjects

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selected from group B, but who obtains an excess of marks above the minimum percentage required on each of the papers on the work of the department, such excess shall be added to the marks obtained by him on the subjects selected from group B for the purpose of estimating his percentage on the whole group. Where a candidate, who has obtained the aggregate marks required on the promotion examination, fails in one subject only, not being one of the papers on the work of the department, such candidate may, on the recommendation of the deputy head of the department, complete the examination by writing on that subject alone at the ensuing examination. The minimum standard required on such subject shall be fifty per cent if the subject is in group A, and thirty per cent if the subject is in group B. Any candidate who fails only in the total number of marks assigned to group A may, on the recommendation of the deputy head of the department, complete the examination by writing on that group alone at the ensuing examination.

21. All general competitive examinations for entrance to the Service shall be advertised in the *Canada Gazette* at least four weeks before the examinations are to take place. Special competitive examinations shall be advertised in the *Canada Gazette* at least two weeks before the examinations are to take place. Such advertisements shall state the number of positions to be competed for, the conditions to be complied with by the competitors, the subjects to be covered by any special examinations, and the places at which the examinations may be held.

22. Within one month after the publication of the results of a Civil Service examination any candidate who considers that his answer papers have not been correctly valued, may make application to the Commission to have his papers re-read. Such application must be accompanied by a fee of \$3 in the case of the Third Division or lower examinations, and \$5 in the case of the Second Division or higher examinations. In cases where the appeal is sustained the fee will be returned.

(2) The answer papers of all candidates at any Civil Service examination, after being valued by the examiners, shall be retained by the Commission for a period of six months from the date of publishing the results, and at the end of that period they shall be destroyed.

23. Every successful candidate, before receiving a permanent appointment to the Inside Service, must furnish the Commission with a certificate of good health, which shall be filled out on standard forms to be furnished by the Commission.

(2) There shall be appointed by the Governor in Council in each place where an examination is held one or more medical examiners, from whom such certificates shall be obtained.

(3) The fees for the health certificate shall be: For messengers, porters, sorters, packers, and for temporary clerks, two dollars (\$2); for clerks of the Third Division, three dollars (\$3); for clerks of the First and Second Divisions, five dollars (\$5).

24. Every successful candidate, before receiving an appointment to the Inside Service, must furnish the Commission with references to at least three reputable persons who may be able to give adequate information as to the candidate's character and habits.

25. The following shall be the schedule of fees to be paid by the candidates at the several examinations held under the direction of the Commission:—

Examination for lower grade positions, a fee of.....	\$ 2 00
Examinations for clerkships in Subdivision B of the Third Division, a fee of.....	4 00
Examinations for clerkships in Subdivision B of the Second Division, a fee of.....	8 00

Extra examinations which may be authorized from time to time for positions requiring special qualifications, a fee of..... 8 00
Promotion examinations:—

In the Third Division.....	2 00
To the Second Division.....	3 00
In the Second Division.....	4 00
For higher divisions.....	5 00

(2) No fee shall be required for the privilege of taking optional subjects.

(3) The fees for the regular Third and Second Division examinations, for lower grade examinations, and for any special examinations, shall be payable by the candidates when making application for the examination. Should any candidate, after making application and paying the required fee, be unable to write on the examination, one-half the fee may be returned.

26. Copies of the reports of the "conduct and efficiency of all officers, clerks and employees below the First Division" which, in accordance with section 40 of the Civil Service Amendment Act, are required to be made in each department, shall be furnished to the Commission by the deputy heads of the various departments every three months.

(2) To insure uniformity these reports shall be made out on forms prepared by the Commission which may be procured by the departments upon requisition to the Government Stationery Office.

27. As soon as practicable, after the coming into force of these regulations, the deputy heads of the several departments shall furnish to the Commission, for the purpose of its Establishment Books, returns of the officers of their departments, with such particulars as to their past service and present employment as are provided for on the form prepared by the Commission.

28. The secretary of the Treasury Board shall notify the Commission of all changes which take place in the organization of the offices in the several departments in the Inside Service, whether these changes result from the creation of new offices, the division or combination of existing offices, or the abolition of offices; also of all changes in the personnel of the officers holding respective offices in the several departments in the Inside Service, whether these changes result from original appointment, promotion, transfer, death, resignation or dismissal.

29. The Commission shall select examiners duly qualified to prepare the necessary examination papers and to value the answers of the candidates, in connection with the general and special examinations provided for in the Civil Service Acts and in these regulations.

(2) Each of the examination papers for the First and Second Divisions of the Inside Service shall be prepared and the answers valued by two examiners.

(3) In the case of promotion examinations, and of special or technical examinations for the First and Second Divisions, as far as possible one of the two examiners shall be selected from within the department in which the appointment is to be made, and the other from without.

30. Examiners for the Inside Service shall be paid in accordance with the following scale of fees:—

To each examiner for setting a paper for the general competitive examination for the First and Second Divisions \$15 00

Where the examination is one of a special or technical character for the First or Second Division of the Inside Service, and where not more than five candidates are taking the same examination, each examiner shall be allowed \$20 for setting the paper and valuing the answers.

To each examiner for setting a paper for the Third Division examinations..... 10 00

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To each examiner for setting a paper for the lower grade examinations..... 5 00

To each presiding examiner at the various centres where the examinations are held:—

Per day..... 10 00
Per half day..... 5 00

Where the number of candidates at any centre exceeds twenty-five, an assistant examiner may be appointed for such additional number up to twenty-five, and other additional assistants may be appointed in like proportion, where the number of candidates exceeds fifty.

To each assistant to the presiding examiner:—

Per day..... \$5 00
Per half day..... 3 00

For valuing the answers in the case of the general competitive examinations, the compensation shall be as follows:

For each paper in the examinations for the First or Second Divisions..... 0 50

For each paper in the examinations for the Third Division 0 20

For each paper in the examinations for the lower grades. 0 10

OUTSIDE SERVICE EXAMINATIONS.

The Preliminary and Qualifying Examinations prescribed by the Civil Service Act for the Outside Division of the Civil Service shall be held semi-annually at the same times and places as the examinations for the Inside Division of the Civil Service and shall be conducted in like manner and governed in all respects by the rules and regulations prescribed for the examinations for the Inside Service, with the following exceptions, viz.:—

(1) The Preliminary Examination shall include the following subjects of the ordinary public school standard: Writing, spelling, and the first four rules of arithmetic. The maximum number of marks in each subject shall be one hundred. The minimum percentage for qualification shall be forty per cent in each subject and fifty per cent on the whole examination.

(2) The Qualifying Examination shall include the following subjects: Writing and copying manuscripts, spelling (including dictation), arithmetic, geography, history, and composition. The maximum number of marks for each subject shall be one hundred, excepting in the subjects of writing and copying manuscripts, for each of which the maximum number shall be fifty marks. The minimum percentage for qualification shall be forty per cent in each subject and fifty per cent on the whole examination. The standard of examination shall require a good general knowledge of the above subjects.

(3) Candidates in the Qualifying Examination who fail in one subject only, but who make the required aggregate of fifty per cent, or three hundred marks, may come up for the subject in which they failed at any one or more subsequent examinations, and, on their passing the same, the marks made in the other subjects at the previous examination will be allowed them, but candidates failing in more than one subject, or in the aggregate, if they come up for examination again must take all the subjects required.

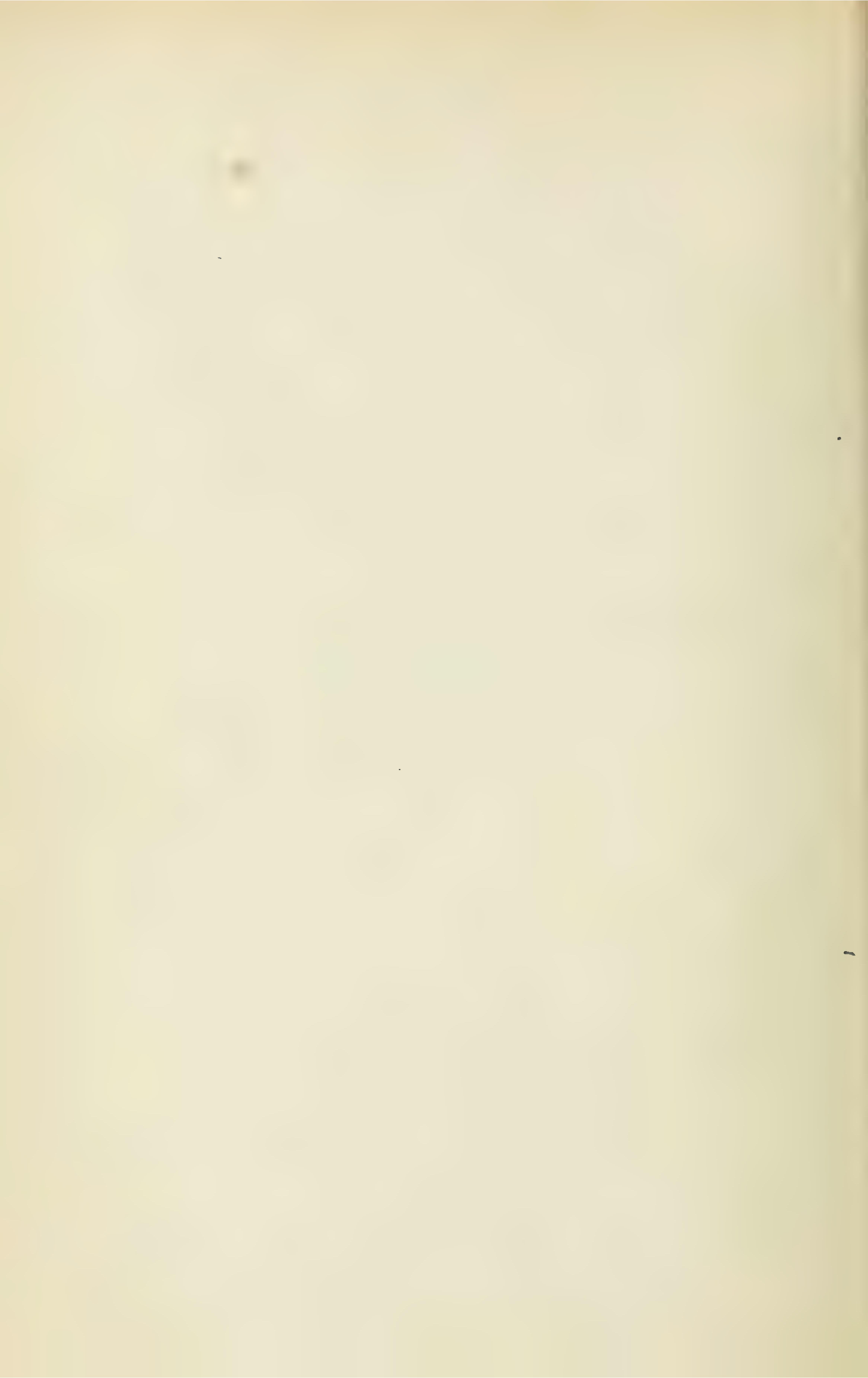
(4) Every successful candidate at the Preliminary or Qualifying Examination will receive a certificate from the Commission.

S. GEORGE V

SESSIONAL PAPER No. 31

A. 1918

TABLES



SESSIONAL PAPER No. 31

TABLE No. 1—Examinations, regular and special, held under the direction of the Commission.

Examination Number.	Date of Examination.	Nature of Examination.	Department.	Number of Vacancies.	Number of Candidates.	Successful Candidates.
	1916.					
628	Sept. 1	Special Lower Grade..	Interior...	1	1	
629	" 14	"	Interior...	1	1	
630	" 27	Special Preliminary...	Outside Service...	1	8	
631	" 29	Special Lower Grade..	Agriculture ..	1	1	Wm. M. Baillie, Aylmer, Que.
632	Oct. 4	"	Agriculture ..	1	1	See page 18.
633	" 6	"	Agriculture ..	1	1	None.
634	" 6	"	Agriculture ..	1	1	None.
635	" 12	"	Agriculture ..	1	1	Joseph Wm. Smyth, Ottawa, Ont.
636	" 13	"	Agriculture ..	1	1	Garnet Reid, Ottawa, Ont.
637	" 24	"	Agriculture ..	1	1	Violet Ingram, Ottawa, Ont.
638	Nov. 3	"	Interior...	1	1	None.
639	" 8	"	Agriculture...	1	1	Anna Fraleigh, St. Mary's, Ont.
640	" 17	"	Post Office...	1	1	T. Robillard, Ottawa, Ont.
641	Dec. 1	"	Agriculture ..	1	1	Thos. L. Delaney, Ottawa, Ont.
642	" 4	"	Agriculture ..	1	1	Cecil M. Johnston, Ottawa, Ont.
643	" 7	"	Interior...	1	1	Edith P. Kish, Ottawa, Ont.
644	" 11	"	Agriculture...	1	1	None.
645	" 11	"	Post Office...	1	2	E. G. Wills, Ottawa, Ont.
646	" 13	"	Post Office...	1	1	Sam Levin, Ottawa, Ont.
647	" 15	"	Interior...	1	1	None.
648	" 18	"	Post Office...	1	1	None.
649	" 19	"	Public Works...	1	1	David Wood, Ottawa, Ont.
650	" 20	"	Secretary of State...	1	1	See page 18.
			Outside Service...	1	1	See page 20.
			Outside Service...	1	1	See page 21.
			Inside Service...	1	1	J. Bryan, Ottawa, Ont.
			Interior...	1	1	Anna Fairbanks, Ottawa, Ont.
			Post Office...	1	1	E. Barrette, Ottawa, Ont.
			Secretary of State...	1	1	
	1917.					
651	Jan. 3	"	Public Works...	1	1	
652	" 9	"	Senate...	1	4	
653	" 16	Reporter...	Agriculture...	1	1	Special Lower Grade..
654	" 18	"	Trade and Commerce...	1	1	Translator...
655	" 25	"	Public Works...	1	9	Special Lower Grade..

CIVIL SERVICE COMMISSION

8 GEORGE V. A. 1918

TABLE No. 1.—Examinations, regular and special, held under the direction of the Commission. *Concluded.*

Examination Number.	Date of Examination.	Nature of Examination.	Department	Number of Vacancies.	Number of Candidates.	Successful Candidates.
656	Jun. 29.	Special Lower Grade.	Public Works.	1	1	None.
657	" 30	"	Post Office...	1	1	Lucienne Dorval, Ottawa, Ont.
658	Feb. 6	"	Mines...	1	1	P. Desormeaux, Ottawa, Ont.
	" 6	"	House of Commons.	1	1	Louis Boulet, Ottawa, Ont.
659	" 8	"	Mines ...	1	1	None.
660	" 9	"	Post Office...	1	1	J. Barry, Ottawa, Ont.
661	" 17	"	Post Office...	1	1	None.
662	" 24	"	Post Office...	1	1	None.
663	Mar. 1	"	Post Office...	1	1	None.
664	" 6	Special Preliminary.	Post Office...	1	1	Eva Carson, Ottawa, Ont.
665	" 9	"	Post Office...	1	1	See page 22.
666	" 9	"	Olive Valiquette, Ottawa, Ont.	1	1	Helene Paridis, Lévis, Que.
667	" 13	"	None.	1	1	None.
668	" 16	"	Gordon S. Thompson, Ottawa, Ont.	1	1	Giordon S. Thompson, Ottawa, Ont.
669	" 23	"	Lucy B. Sherwood, Ottawa, Ont.	1	1	Lucy B. Sherwood, Ottawa, Ont.
670	" 23	"	Antonio Lalonde, Ottawa, Ont.	1	1	Antonio Lalonde, Ottawa, Ont.
671	" 26	"	Mary Mulligan, Ottawa, Ont.	1	1	Mary Mulligan, Ottawa, Ont.
672	" 28	"	E. D. Bartlett, Ottawa, Ont.	1	1	E. D. Bartlett, Ottawa, Ont.
	April 7	"	M. A. Kelly, Ottawa, Ont.	1	1	M. A. Kelly, Ottawa, Ont.
	" 11	"	Myrtle Hammond, Ottawa, Ont.	1	1	Myrtle Hammond, Ottawa, Ont.
	" 11	"	Lillian Price, Ottawa, Ont.	1	1	Lillian Price, Ottawa, Ont.
	" 17	"	None.	1	1	None.
	" 17	"	Albert Gagné, Hull, Que.	1	1	Albert Gagné, Hull, Que.
	" 18	"	H. C. Stock, Ottawa, Ont.	1	1	H. C. Stock, Ottawa, Ont.
	" 20	"	David A. Rice, Ottawa, Ont.	1	1	David A. Rice, Ottawa, Ont.
673	May 1	"	Victor Quaglia, Ottawa, Ont.	1	1	Victor Quaglia, Ottawa, Ont.
674	" 4	"	Royal Northwest Mounted Police.	1	1	Royal Northwest Mounted Police.
675	" 4	"	Post Office...	1	1	Post Office...
676	" 4	"	Post Office...	1	1	Post Office...
677	" 9	"	Post Office...	1	1	Post Office...
678	" 11	"	Post Office...	1	1	Post Office...
679	" 11	"	Post Office...	1	1	Post Office...
	" 11	"	Outside Service.	1	1	Outside Service.
	" 11	"	Outside Service.	1	1	Outside Service.
	" 15	"	Outside Service.	1	1	Outside Service.
	" 16	"	Outside Service.	1	1	Outside Service.
680	" 16	"	See page 23.	1	1	See page 23.
681	" 16	"	See page 25.	1	1	See page 25.

CIVIL SERVICE COMMISSION

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SESSIONAL PAPER No. 31

682	"	15	Lower Grade.	18
683	"	16	Third Division	See page 26
684	"	14	Second Division	See page 26
685	"	14	Promotion to Second Division	See page 27
686	"	16	Naval Cadetships...	See page 27
687	"	25	Special Lower Grade...	See page 27.
688	June	1		245
689	"	5		27
690	"	6		11
691	"	6		31
692	"	15		
693	"	19		
694	"	22		
695	"	22		
696	July	5		
697	"	7		
698	"	7		
699	"	9		
700	"	10		
701	"	10		
702	"	12		
703	"	13		
704	"	13		
705	"	21		
706	"	25		
707	"	27		
708	"	31		
	Aug.	2		
	"	20		
	"	28		

8 GEORGE V, A. 1918

TABLE NO. 2.—Number of candidates writing at the different centres at the regular examinations.

(a) DECEMBER, 1916.

Place of Examination.	Prelim- inary.	Quali- fying.	Third Division.		Total.
			Men.	Women.	
Prince Rupert..	1	1	1		3
Nanaimo	5				5
Victoria	13	4			17
Vancouver. . .	7	10	1		18
Nelson..	1	1			2
Edmonton.	16	3			19
Calgary..	8	3	1	2	14
Moose Jaw.	15	1			16
Saskatoon	10	2			12
Regina..	21				21
Brandon.	1	2			3
Winnipeg..	24	5			29
Sault Ste. Marie		1			1
North Bay	7	2			9
London.	8	4			12
Hamilton	13	4			17
Toronto..	71	20	1	3	95
Kingston..	3	6		4	13
Ottawa.	108	12	25	123	268
Montreal...	111	14	1	4	130
Sherbrooke.	7	1		1	9
Quebec	27	7		1	35
St. John	6	2		1	9
Moncton. . .	1				1
Chatham.				5	5
Charlottetown.	1	4			5
Halifax	11	3		1	15
Total..		496	112	30	783

SESSIONAL PAPER No. 31

TABLE No. 2.—Number of candidates writing at the different centres at the regular examinations.—*Concluded.*

(b) MAY, 1917.

Place of Examination.	Preliminary.		Lower Grades.		Third Division.		Second Division.		Promotion to Second Division.		Total.
	Qualifying.		Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.	
Prince Rupert.		2									2
Victoria..	9	4									16
Vancouver.....	4	6					7				19
Nelson..		1									1
Frank.....	9	1									10
Edmonton	14	8									22
Calgary..	35	4									39
Moose Jaw.	11										11
Saskatoon..	25	3									28
Regina.....	22	11									33
Brandon	3										3
Winnipeg..	13	7									20
Wingham							7				7
London.....	4	5					1				14
Hamilton.	8	2					2				12
St. Catherines.....		1									6
Toronto..	43	16					2				64
Kingston..	2	4	1				3				10
Brockville...	2	1			1		13				17
Ottawa.....	76	12	1	7	21	178	15	7	11		333
Montreal..	90	28	7				3	1			134
Sherbrooke.....	5	1					1				8
Quebec.....	33	5									40
St. John	2	4									7
Chatham.							3				3
Moncton.								1			1
Charlottetown.	1	1				1					3
Yarmouth..	1	1									3
Halifax.	10	5	1				2				20
Total.	422	132	11	7	23	222	17	10	11	31	886

NOTE.—A Special Preliminary Examination for returned soldiers was held on March 6th, 1917. At this examination 56 other candidates wrote, of whom 43 were successful.

8 GEORGE V, A. 1918

TABLE No. 3.—Successful candidates at the regular examinations.

NOTE.—Candidates who are marked with one star (*) have served overseas in His Majesty's Forces during the present war and have been honourably discharged therefrom, and are accordingly entitled to preferential treatment in the matter of appointment.

(a) *Special Preliminary Examination for the Outside Service, September, 1916*

IN ALPHABETICAL ORDER.

*Allen, William Patterson.
*Barnett, William Harold
*Gerrish, Henry.

*King, William Henry.
*Lewis, Albert John.
*Montgomery, D. Gerald.
*Northfield, Thomas W.
*Wherry, Frank A.

(b) *Preliminary Examination for the Outside Service, December, 1916.*

IN ALPHABETICAL ORDER.

At Prince Rupert, B.C.—
Struthers, John McSkimming.

Morrison, Janet Summers.
Munro, John Gordon.
McKee, Robert A.
Neal, James.

At Nanaimo, B.C.—
Cullen, Alexander.
McGuckie, John Martin.
Scott, Nellie G.
Sutherland, Lillis I.
Thomson, Andrew L.

At Saskatoon, Sask.—
Burke, Nella M.
Murphy, Edward John.
Quinn, Edward.
Ross, Jessie M.
Shepherd, Alfred Edward.

At Victoria, B.C.—
*Abbott, George Stanley.
*Comerford, Edward Waller.
Craig, Edward H. H.
Dicks, Thomas I.
Miller, Lena.
Mackenzie, David.
Tomlinson, Fred.
*Watson, Thomas.

At Regina, Sask.—
Chapman, George.
Eadie, James.
Harris, Samuel Thomas.
Hill, Joseph H.
Malone, Frank Patrick.
Mann, Frank.
Mowat, Hugh P.
Smith, Thomas Henry.
Wardrop, James W.

At Vancouver, B.C.—
Cucksey, Walter Lloyd.
Duke, Aylmer Earl.
Postlethwaite, Frank.

At Winnipeg, Man.—
Acheson, Alfred Edwin.
Curtis, Roydon H.
Dorsett, Walter.
Forbes, James C. K.
*Greenwood, C. H.
Hill, Charles Y.
Hood, E. F.
Knittel, W. R.
Little, William S.
*McDowell, Harry.
MacMartin, Percy Victor.
McNeill, James Martin.
Newman, Chas. F.
*Peden, William.
Riley, T. S.
Rowe, George Walter.
Rutherford, Ethel Marguerite.
Sparling, Edwin James.
Stenhouse, John C.

At Nelson, B.C.—
Cryderman, Charles Norman.

At North Bay, Ont.—
Beaton, Charles James.
*Ellis, Frank W.
Lindsay, Marguerite.
Redden, John Bruce.
Windrum, William J.

At Edmonton, Alta.—
Atkinson, Burton West.
Carthew, A. Isabelle.
Dixon, Geo. M.
Ellis, Elmer E.
Freeze, Harry A.
Hopkinson, Frank A.
Miller, Isabel Robertson.
Moody, Robert Wellington.
McLeod, John.
McMahon, Clark A.
McMann, Allan J. D.
Porter, Frederick A.
Wright, Helen M.

At London, Ont.—
Burns, Wm. Patrick.
Cline, Gordon Stanley.
Legg, Walter Martin.
Siebert, Wm. Arthur.
Wallace, Andrew.
Windower, William E.

At Calgary, Alta.—
Gregory, William James.
Pare, Bertha Anna.
Russell, Joseph.
Samuel, Geoffrey B.

At Moosejaw, Sask.—
Burke, Hildred May.
Davidson, William Howard.
Ellis, Frank Butler.
Ellis, James.
Fleming, St. Clair.

SESSIONAL PAPER No. 31

TABLE No. 3—Successful candidates at the regular examinations—*Continued.**At Hamilton, Ont.—*

*Berg, Archibald.
 *Graham, Thomas John James.
 Hammond, Joseph R.
 Johnson, William B.
 Lawrence, William Ed.
 *Murphy, John.
 Plante, Chester Clewes.
 *Siebert, Robert Arthur.
 *Whiteside, William.

At Toronto, Ont.—

Bell, Irene Veronica.
 Brady, Ford James.
 Brown, Annie B.
 Brown, Charles Holden.
 Brown, Elsie Jane.
 Brown, Homer Joseph.
 Brown, Wallace Gordon.
 Campbell, Clarence.
 Cockburn, Leonard Frank.
 Crossley, E. C.
 Durie, Frederick David.
 *Finn, Owen.
 Foster, Myrtle.
 Fraser, Marion E.
 Garbarino, F. C.
 Gauci, Francis.
 Gibson, C. Ellsworth.
 *Godfrey, Stanley M.
 Good, Florence Agnes.
 Goodwyn, Frank.
 Hacker, Iona Ruth.
 Harper, Henry.
 Harris, Edward P.
 *Harrison, William E.
 Irving, John Seymour.
 *Jackson, George Ernest.
 *Lamble, Robert F.
 Laxton, William.
 Mann, Chas. Edward.
 *Mesley, Ernest.
 *McAllister, Oscar M.
 *McCann, Jack.
 McConaghy, Frank Paul.
 McConnachie, Duncan.
 McHugh, Michael.
 Macphail, Elizabeth.
 Newman, Maud.
 Pearson, Kathleen.
 Portch, Harold Roy.
 Robinson, Edna.
 Rooney, Joseph Henry.
 Rolstein, Lena.
 Russell, Edna.
 Rutherford, Ewart Allen.
 Scott, Harvey Martin.
 Self, George Sherlock.
 Spence, Mary.
 Stanley, Reta May.
 Taylor, Miriam M.
 Tijou, May Martha.
 Tummon, M. Percy.
 Warnke, John Albert.
 Wilcox, Rose Victoria.

At Ottawa, Ont.—Con.

Condon, Edmund C.
 Cook, Esther Agnes B.
 Cosgrove, Mary Louise.
 Dea, Margaret G.
 Dempsey, Catherine.
 Dunn, Rose Gwendolyn.
 Durham, John Thomas.
 Duschet, John J.
 Gibbs, Lillian May L.
 Gormley, Ella Teresa.
 Gray, Helen Edith K.
 Hardy, Dorothy C.
 Hartney, Kathleen M.
 Hupp, Frank A.
 Jackson, Muriel Nunn.
 Kelly, John J.
 Lafond, Marie L.
 Lane, Ellen Eliza.
 Lowry, Olive.
 Manion, Daniel Joseph B.
 Miller, Duncan.
 Mix, Kyra Doris.
 McDermott, Edward Patrick.
 Nagle, Theresa.
 Neville, Wm. John.
 O'Neill, Arthur Thomas.
 O'Neil, Wm. James.
 Petepiece, Lillie E.
 Purcell, Marjorie.
 Regimbal, Florence.
 Rogers, Hilda.
 Sauve, Aline.
 Spooner, Rose Ann.
 Toplas, Edith.
 Beauchamp, Annette.
 Bergeron, Anne Marie.
 Bergevin, Louise.
 Berthiaume, Joseph Apolynore.
 Boissonault, Marie.
 Brossard, Gratienne.
 Carriere, David.
 Cayer, Antoinette.
 Cayer, Gratia.
 Charlebois, Maria.
 Chartrand, Rhea.
 Chene, Joseph Eugene.
 Daoust, Eugenie.
 Daoust, Odiana.
 De Gagne, Germaine.
 Deslauriers, Marie-Anne.
 Dignard, Rose.
 Drouin, Maria.
 Dube, Rene.
 Durocher, Eugenie.
 Galipeau, Louisa.
 Gouin, Adrienne.
 Gouin, Cecile.
 Groulx, Blanche.
 Lafond, Marguerite.
 Lafreniere, Laura.
 Lahaie, Marie Aurore.
 Lalonde, Aldege.
 Leduc, Geraldine.
 Levesque, Oscar.
 Menard, Mary Clara.
 Paradis, Ernest.
 Periard, Alcide.
 Plouffe, Dorina.
 Rattey, Marie Beatrice.
 Robertson, Annette.
 Seguin, Jos. Elzear.
 Simard, Adelaide.
 Tremblay, Aline.
 Trudel, Josephine.

At Ottawa, Ont.—

Barbe, Alexina Rose.
 Boland, Eva.
 Brown, Joseph Thomas.
 Bradley, Inez.
 Bulger, Francis E.
 Cecile, Clemence.
 Chugg, Ada Beatrice.
 Cochrane, John Wilfrid.

TABLE No. 3.—Successful candidates at the regular examinations—*Continued*

At Ottawa, Ont.—Con.
Vadenais, Cecile.

At Montreal, Que.—
Adducchio, Anita.
Allard, Eugene.
Auclair, Ernest.
Beauchamp, Annette.
Beaudet, Mathilde.
Beaulieu, Georges.
Bergeron, Alice.
Berthiaume, Paul.
Blouin, Josephine.
Bourcier, Lydia.
Brodeur, Alexandre.
Brunelle, J. Alphonse.
Brunelle, Hector.
Brunet, Eloi.
Campbell, Alexandre.
Canniff, Daniel Roy.
Chagnon, Marie-Anna.
Charbonneau, Georgette.
Charbonneau, Imelda.
Chouinard, Charles.
Cote, Ernest Emile.
Davin, Ernest.
DeCelles, Richmond.
Delage dit Lavigne, Joseph.
Desjardins, Joseph Henri.
Desy, Archambault.
Dugas, Rodolphe.
Dupuis, Alexis.
Forget, Real.
Gagnon, Honore.
Gagnon, Joseph.
Geoffrion, Ernest.
Hickey, Michael John.
Holmes, Thomas.
Jarrand, Valerie.
Ladouceur, J. N.
Lapierre, Horace.
Leclerc, Gabrielle.
Lefebvre, Roger.
Lemire, Ida.
Meunier, Clement.
Minville, Esdras.
Norton, James Frederick.
Ouelette, Anne Marie.
Pepin, Jeanne.
Perras, Emilienne.
Petit, Marie Diana.
Piche, Edmond.
Piche, Wilhelmine.

At Montreal, Que.—Con.

*Poirier, Conrad J.
Portelance, Auguste.
Pouliot, Louis.
Ranger, Wm. A.
Robichaud, Andre.
Roch, Marie-Louise.
Roehon, J. Benoit.
St. Louis, Cecile.
Scott, Dorothy M.
Thibault, Antoine.
Trudeau, Severin.
Vanier, Rosario.
Vinette, Adrien.

At Sherbrooke, Que.—

Audet, Antonio.
Croteau, Wilfred William.
Lafond, Joseph David E.
Thibodeau, Berthe.

At Quebec, Que.—

Bourgault, Albert.
Couillard, Elzear.
DesPres, Louis.
Fleury, Maurice E. R.
Fortier, Yvette.
Gagnon, Maurice.
Gingras, Judith.
Martin, George.
Moffet, Jean Charles.
Paquet, Joseph Alexis.
Pelletier, Octave.
Rouleau, Wenceslas.
Simard, Henri.
Tache, Marguerite Burke.
Tardif, Albert.
Turcotte, J. Henri.

At St. John, N.B.—

*Garnett, George Kyle.

At Charlottetown, P.E.I.—

Walker, William Wallace.

At Halifax, N.S.—

Bates, James Edward.
Brennan, Harold J.
Henrion, James Francis.
Purcell, Frederick James.
Smith, Effie Florence.
Weldon, Louisa Frances.

(c) *Qualifying Examination for the Outside Service, December, 1916.*

IN ALPHABETICAL ORDER.

At Prince Rupert, B.C.—
Tite, George Robert S.

At Victoria, B.C.—
Charlton, Mabel A.
Godson, Cyril Clifford.

At Vancouver, B.C.—
Hodnett, Thomas Percival.
Millar, Norman Royan.
Nuttall, George.
Prendergast, Matthew Emery.
Smyth, John Douglas.

At Nelson, B.C.—
Atkins, Benjamin Richard.

At Calgary, Alta.—
Osterhout, Harold L.

At Moosejaw, Sask.—
Cole, Margaret.

At Brandon, Man.—
Schramm, Rudolph A.

At Winnipeg, Man.—
Hunter, John.
Spicer, Alfred.

At Sault Ste. Marie, Ont.—
Gibson, Stanley.

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TABLE No. 3.—Successful candidates at the regular examinations—*Continued.**At North Bay, Ont.—*

Gregory, Anna.

*At London, Ont.—*Fisher, Gordon P.
Windover, William E.*At Hamilton, Ont.—*

Young, Harold W.

*At Toronto, Ont.—*Ault, Ralph Ross.
Ayten, Robert Wade.
Cochrane, Beatrice A.
Cudworth, Samuel.
Gibson, C. Ellsworth.
Goodwyn, Frank.
Kirk, Arthur.
Lindala, Irene.
Mogk, W. Harold.
McGill, Gordon M.
McGill, Roger Alexander.
Macphail, Elizabeth.
Smith, John Rupert.
Street, Herman H.*At Kingston, Ont.—*Birley, Violet B.
Blair, Bessie.
Diack, Lillian Helen.
Gillespie, Elizabeth G.*At Kingston, Ont.—Con.*Perry, Edith May.
Revelle, Clarence.*At Ottawa, Ont.—*Burke, James Martin.
Lowry, Olive.
Pednault, Romeo.
Swetman, Earl C.
Champagne, Fernand.*At Montreal, Que.—*Francis Camille Hubert.
Gareau, Anselme Edmund.
Herbert, Alexander Lorne.
*Herrick, Albert Edward.
*Jordan, Malcolm.
Picke, Edmond.
Sarrasin, Omer.*At Quebec, Que.—*Gingras, Basile.
McDonald, Marguerite.*At Charlottetown, P.E.I.—*Coyle, Frederick Arthur.
Ferguson, James R.
Peters, Mary Katherine.
Procter, Gerald E.*At Halifax, N.S.—*

Mahoney, John Francis.

*(d) Competitive Examination for position in Subdivision B of the Third Division, Inside Service, December, 1916.*1. *Clerks.*

IN ORDER OF MERIT.

1. Langdon, Lillian L., Ottawa, Ont.
2. Davis, Mary Agnes, Ottawa, Ont.
3. Kilduff, Frances E., Ottawa, Ont.
4. Hill, Eva Luella, Ottawa, Ont.
5. Sproule, Margaret E., Toronto, Ont.

6. Cummings, Mabel M., Ottawa, Ont.
7. Living, Helen Kathleen, Westboro, Ont.
8. Campbell, Annie L., Deseronto, Ont.

Equal.

2. *Stenographers and Typewriters.*

IN ORDER OF MERIT.

** 1. Cochrane, Elsie Victoria, Ottawa, Ont.
** 2. Askwith, Mary Edna, Ottawa, Ont.
** 3. McRae, Catherine M., Sudbury, Ont.
** 4. Gilbert, Viola N., Ottawa, Ont.
** 5. Gauthier, Eliane, Ottawa, Ont.
** 6. Smith, Marjorie, Ottawa, Ont.
** 7. Tierney, Elizabeth, Ottawa, Ont.
** 8. Smith, Eileen Mary, Ottawa, Ont.
** 9. Lavallee, Ethel G. W., Quebec, Que.
** 10. Reid, Harold E., Ottawa, Ont.
** 11. Wight, Ruby, Ottawa, Ont.
** 12. Williams, Edith, Ottawa, Ont.
** 13. Macdonell, Jean Laurel, Kingston, Ont.
** 14. Wainman, Edna, Ottawa, Ont.

15. Perron, Flore Julienna, Montreal, Que.
16. St. Marie, Alberte, Ottawa, Ont.
17. Desilets, Marie Emelie Anna, Ottawa, Ont.
18. Doran, Lillian Irene, Ottawa, Ont.
19. Demers, Dora, Ottawa, Ont.
20. Simard, Adelaide, Ottawa, Ont.
21. McKibbin, Hazel Helen, Ottawa, Ont.
22. Beland, Beatrice, Ottawa, Ont.
23. Flanagan, Mae, Ottawa, Ont.
24. McGovern, Eva Clarissa, Ottawa, Ont.
25. McGovern, Ada Theresa, Ottawa, Ont.
26. Robertson, Dorothy Jean, Ottawa, Ont.
27. Walls, Louise, Chatham, N.B.

**Also successful as clerks.

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TABLE No. 3—Successful candidates at the regular examinations—*Continued.*

(e) *Supplementary Examination in Arithmetic, History and Geography for successful candidates at previous examinations for Stenographers and Typewriters, December, 1916.*

IN ALPHABETICAL ORDER.

Barry, Annie L.
Belisle, Marie Isabelle.
Canham, Myrtle B.
Eligh, Sarah.
Grant, Joseph Paul.

Leyden, Gertrude.
McIlmoyle, Ethel.
Macneill, Grace.
Russell, Jennie T.
Usher, Louise Marion.

(f) *Special Preliminary Examination for the Outside Service, March, 1917.*

IN ALPHABETICAL ORDER.

At Victoria, B.C.—
*Belding, Harry B.
*Crosswaite, Ernest.
*Heryet, William.
*Joplin, Albert E.
*Wood, John Alfred.

At Calgary, Alta—Con.
Taylor, R. A.
*Towers, John A.
*Turner, John H.
*Wells, George.

At Vancouver, B.C.—
*Blancard, Robert Louis.
*Delmonico, Henry Norman.
*Dolphin, James Edward.
*Hepburn, Thomas Gould.
*King, Harry.
*McHallam, Peter.
*Sharp, James.
*Thomas, James William.

At Frank, Alta.—
*Bunyan, Reginald.
*Campbell, Donald.
*Dooley, Francis.
*Horne, John Arthur.
*Johnson, John.
*Lindsay, James R.
*McCuaig, John.
*Mack, John.
*Mackenzie, J. C.
*Richmond, George A.
*Riley, Addison L.
*Smithson, Ernest Wm.
*Warwick, Frank.

At Edmonton, Alta.—
*Baird, H. R.
Buchanan, Jessie Victoria.
Cotton, David William.
Dairon, Andrew.
*Dron, Marcel.
*Figg, E.
Flesher, William Albert.
Johnson, Geo. R.
*Malloy, R.
*MacIntosh, Duncan.
*Neilans, John.
Rae, Robert.
Underwood, Edward.
Weston, George Frederick.
*Whitehead, Ralph.
*Yeates, Frank.

At Moose Jaw, Sask.—
*Algie, Albert.
*Ashworth, Matthew William
*Crain, C. W.
*Borthwick, William.
*DeLisle, Andrew James.
*Hamilton, Campbell.
*Kidd, Thomas W.
*Kyle, Oliver S.
Merrifield, W. J.
*McAllister, James.
*Neal, Charles William.
*Stevenson, Louis B.
*Swain, Edgar.

At Calgary, Alta.—
*Beresford, A.
Bowler, T. E.
*Brown, H. J. S.
*Cadenhead, J.
*Cole, G. H. S.
*Conley, Henry.
*Dakin, E. R.
*Day, Chester R.
*Downe, H. E.
*Edinborough, C. E.
*Gower, Fred.
*Grady, John M.
*Hawley, Edward.
*Henderson, R. W.
*Knights, F. W.
*Maltby, Edward.
*Mardon, C. H.
*Paterson, W.
*Rear, J. M.
*Scott, Wm.
*Slack, Walter S.
*Stewart, George.

At Saskatoon, Sask.—
Attrie, Harry.
*Baldwin, Harold.
Clark, Albert.
*Cook, William Henry.
*Denholm, David.
Enright, Melville Walter.
*Herbert, George Henry.
*Jobin, G. S.
*Kennett, Ernest B.
*Moore, William J.
Mutch, Ewen M.
*Pallett, Ernest Edward.
Parry, Harold R. L.
*Peckett, Edward.
*Pinchin, William John.
Pout, Maurice R.
Rosson, A. E. W.
*Sherwood, Howard F.
*Yovell, William Charles.

SESSIONAL PAPER No. 31

TABLE No. 3.—Successful candidates at the regular examinations—*Continued.**At Regina, Sask.—*

*Adamson, Wm. John Earl.
*Asals, David.
*Jolleys, Edward.
McGrath, Patrick.
*Morris, Arthur Norman.
Redman, Francis Wm.
*Reid, Robert.
Ryan, H. A.
*Smith, Charles.
*Telfer, Oliver White.
*Thomas, Charles.
Wilson, Frank.

At Winnipeg, Man.—

*Henderson, John William.
*Murphy, Bartholomew.
*McKay, George C.
*Warsley, R. J.

At London, Ont.—

Cusolito, Joseph D.
*Featherstone, Frederick.
Lane, Edgar L.
McCastrand, William.
Porte, Edgar Johnston.
Sage, Joseph Laurence.
*Williams, William.

At Hamilton, Ont.—

*Gibb, James.
Mowat, Fred.
*Shaw, Archibald McKelvie.
*Starling, James Adney.

At Toronto, Ont.—

*Abrahamson, Philip Allen.
*Allen, Robert A.
*Armstrong, Bernard C.
*Boal, Harry Ritchie.
*Burley, Edward.
*Cheatley, Joseph.
Clayton, William V.
*Cramm, Donald Blake.
*Crossley, Harry R.
*Donaldson, James Munroe.
*Finch, Albert B.
Harris, Wilfrid.
*Lee, Godfrey.
*Loan, Daniel M.
*Lowe, Arthur Thos.
*McDonald, Malcolm.
*Padmore, Arthur S.
*Parker, John Thomas.

At Toronto, Ont.—Con.

*Power, Joseph.
*Riley, William.
*Roberts, David.
*Scott, Robert.
*Tait, Roy E.
*Wakeman, Frank.
*Whitnall, Percy.
*Wilcox, Charles John.
*Whyte, Andrew.
*Young, Wm. Murray.

At Ottawa, Ont.—

*Marshall, Charles John.
McLaughlin, Frederick Wm.

At Mon'real, Que.—

*Bernard, Robert H.
*Boothby, John Norman.
Chene, Agathe.
Coderre, Frs. Xavier.
*Colebrook, James Henry.
*Daly, John M.
Demers, Harris.
*Edgar, James V.
Ferland, Moise.
Gagnon, Achille.
Garland, Percy Edgar.
*Grant, Wilson E.
*Harris, Wm. Augustus.
*Hebert, J. Louis.
*Hudon, Joseph A.
*Jordan, Malcolm D.
Lamarre, Come.
Lapointe, Jean-Baptiste.
*Lawson, John.
*McLeod, Ross John.
Monet, Marguerite.
Paiement, Jos. Arthur.
*Powell, Walter Ernest.
*Price, Frederick L.
Proulx, Jean Baptiste.
Quesnel, Albert.
Ryan, Wm. C.
*Stephen, John M.
*Stewart, Jas. Ferguson.
St. Pierre, Benjamin.
*Townsend, John C.
Trudeau, J. Hormidas.
*Turner, Wm. B.
*Wills, Sydney Chas.

At St. John, N.B.—

*Duplisea, Harold J.
*Nuttall, Gordon A.

(g) *Preliminary Examination for the Outside Service, May, 1917.*

IN ALPHABETICAL ORDER.

At Victoria, B.C.—

*Cherry, Arthur.
Dorman, Jessie.
Drybrough, Elizabeth A.
Heaney, Margaret Jane.
*Hutchinson, Joseph F.
*McCallum, Alexander.
*Tolhurst, Charles John.

At Vancouver, B.C.—

Dunmore, Robert W.
Greenfield, Edith Kent.
Hill, Annie Graham.

At Frank, Alta.—

*Cox, Percy Jack.
*Hamlin, Donald E.
*McLay, Donald K.
*Newberry, James Walter.

At Frank, Alta.—Con.

*Novitski, Henry.
*Robertson, David Allen.
*Whitaker, Alfred T.
*Zela, Albert Paul.

At Edmonton, Alta.—

Campbell, Jessie.
Campbell, Mary.
Cunningham, Phillips G. D.
Geldert, James G.
Hindle, John.
Horswell, John.
Johnson, Harry Earl.
*Kennedy, John.
Meadows, Thomas.
Neal, Harry C.
*Starkie, Benjamin.
*Tench, Charles V.

TABLE No. 3.—Successful candidates at the regular examinations.—*Continued.**At Calgary, Alta.—*

*Adams, Edgar G.
*Alford, M. T.
*Bassenger, F.
*Bayack, G.
*Broadhurst, E.
*Brown, Geo.
*Butt, F. A.
Cook, Alfred Chas. Ed.
*Coupland, Wm. John.
*Coverdale, Alfred.
*Cox, Arthur M.
*Ellison, D. W.
*Heywood, J. W.
*Hodges, F.
*Huckell, J. T.
*James, F. J.
Lett, Wm. Ralph.
*Mathieson, A.
*Medlicott, E.
*McKinley, A.
*Roland, A. J. H.
*Redshaw, A.
*Roberts, R. H.
*Smith, T.
*Summers, J. A.
*Taylor, Philip.
*Tozer, W. G.

At Hamilton, Ont.—

Hanham, James H.
*Harper, George.
At Toronto, Ont.—
Blackstone, Norman W.
*Binny, Walter J.
*Brooker, Clement.
*Brown, Herman O.
Buchan, John P.
Buffan, Howard C.
Bush, Elsie Mae.
Cameron, Robert.
d'Almeida, Joseph R. G.
*Downey, Robert V.
Dunlop, Alice M.
Ellis, Thomas G.
Flanigan, Leonard G.
*Fleming, Frederick C.
Fuller, John Ewing.
Hilyer, Clarence H.
*Kerr, James.
*Lecoq, John P.
Lindsay, Kathleen.
*Metzer, Albert.
Pegley, Charles E.
Purvis, Hilda G.
Simon, Saul.
*Taylor, William P.
Santerre, A. J.
Schause, J. F.
Wesley, Victor E. T.
Williamson, Lloyd C.
Willson, James E.
*Wood, John H.
*Woolfenden, John.

At Moosejaw, Sask.—

Horton, Elgin F.
Hubbs, Delbert L.
McKay, James W.

At Saskatoon, Sask.—

Campbell, Duncan.
*Fairbairn, John Edgar.
*Frost, George Basil.
*Horseman, Hubert.
*Maule, Percy.
*Myles, David.
Smith, F. E.
Stewart, Cecil Raymond.
*Tucker, Edward J.
*Woolley, James Henry.

At Regina, Sask.—

Carroll, Matthew.
Coolican, Emma T.
Crossett, Sylvia Muriel.
Elliott, Luther Hugh.
Goth, W. Meredith.
Halleran, Cecil Calvin.
Hicks, Burnal James.
Howell, Robert Percival.
Lorimer, Edwin Banks.
Milligan, Joseph Albert.
McDonagh, John Arthur.
MacMath, Joseph.
McGillivray, Annie L.
Osborne, William.
Ryan, George M.

At Ottawa, Ont.—

Baker, Mrs. M. A.
Bélanger, Blanch.
Bélanger, Dora.
Blondin, Joséphine.
Bourette, Edna.
Bowen, Mrs. Kate.
Brisebois, Gracia.
Cairns, Frederick Hugh.
Cormier, Narcisse E.
Couillard, Joseph Lorenzo.
Dinel, René.
Dormody, Cora.
Egger, Marie Therese.
Emond, Lauretta.
Faught, Louise M.
Gagnon, Angeline.
Galipeau, Louise Irene.
Godin, Joseph William.
Héroux, J. Aimé.
*Huband, Gerald B.
Kirke, Kathleen.
Labelle, Lorette E.
Laflamme, Yvonne.
Lamothe, Leo.
Lapointe, Albertine.
Laroche, Yvonne.
Lavoie, Georgianna.
Mahoney, Mary.
McMabon, Katherine.
O'Hagan, Lillian B.
Pelletier, Irene.
Scanlon, Annie.
Séguin, Wilfrid.
Shuttleworth, Mrs. E.
Simmard, Rose-Anna.
Smith, Vera.
Thoburn, Daisy May.
Trumble, Anna.
Waddell, Harold.
Webster, Gladys Pearl.
Whitelaw, Earl.

At Brandon, Man.—

Reed, Charlie.

At Winnipeg, Man.—

*Gardner, George.
Gardiner, James.
Harrison, F.
Horsley, Olive.
Mansfield, J. W.
*Moir, James.
Page, Frederick S.
*Pontifex, Russel H.

At London, Ont.—

Stowe, Harry B.
Sylvestre, Romeo E.

SESSIONAL PAPER No. 31

TABLE No. 3.—Successful candidates at the regular examinations.—*Continued.**At Montreal, P.Q.—*

Archambault, Joseph.
 Beauchamp, Maria.
 *Beeho, Herbert Augustus.
 Boucher, Annette.
 Brien, Arthur.
 Charbonneau, Joseph Armand L.
 Charbonneau, Joseph Arthur.
 Chartrand, J. H. Adelard.
 Cournoyer, Jean Baptiste.
 Dagenais, Marie Jeanne.
 Desbiens, Adelard.
 Deslauriers, Ephrem.
 Dicker, Octave.
 Dion, Eva.
 Dion, Féadora.
 Forest, Gertrude.
 Geoffrion, Joseph U. A.
 Gervais, Argé.
 Gervais, Gaston.
 Goyette, Joseph Michel L.
 Gravel, Bernadette.
 Guyot, Alberte.
 Hottote, Alexandre.
 Houde, Charles Henri.
 Labelle, Joseph Léon G.
 Labrosse, J. A. Georges.
 Laferrière, Camille.
 Lafontaine, Jos. Francis Arthur.
 Languedoc, Joseph Alphonse.
 Lefebvre, P. Réal.
 Marchand, Joseph Albert.
 Martineau, Aurèle.
 Massicotte, Jean-Maurice.
 Morin, Hélène.
 MacDonald, John Hugh.
 Ouellette, Rosaire.
 Ouimet, Aldéric.
 Paquette, Graziella.
 Plante, L. Henri M.
 Poisson, Mme. Roméo.
 Prévost, Wilfrid.
 Reid, Cécile.
 Richardson, Anne-Marie.
 Sauvé, Arthur.
 St-Denis, Horaceatta.

At Montreal, Que.—Con.

Sullivan, Wm. C.
 Surprenant, Maxime.
 Taillefér, Marie Thérèse.
 Taillefer, Rodolphe.

At Sherbrooke, P.Q.—

*Cutts, Edward Johnston.
 de Lottinville, Maurice.
 Maréchal, Blanche.
 Tanguay, Régina.

At Quebec, P.Q.—

Bégin, Régina.
 Bilodeau, Germaine.
 Cogger, Dalton.
 Couillard, Blanche.
 Dallaire, Alexandre.
 Drouin, Agénor.
 Francoeur, Antonia-Diana.
 Fréchette, Emérique.
 Gendron, Marie Anne Berthe.
 Lessard, Marie Rose.
 Levesque, Emile J.
 Mannix, Ellen.
 Moffet, Marie Aline.
 Paquet, Irène.
 Pelletier, Marie Louise.
 Pruneau, Aimé.
 Tétu, Wilfrid.
 Thibault, Charles Eugène.
 Turgeon, Yvette.

At St. John, N.B.—

Cameron, Ian Donald.
 Gillespie, J. H.

At Halifax, N.S.—

*Brennan, W. D.
 Burns, Robert R.
 Harris, Florence Mary.
 Horne, Gordon Edward.
 *Nowlan, William G.
 Peckham, James Gordon.
 Tapper, George Wm.

(h) Qualifying Examination for the Outside Service, May, 1917.

IN ALPHABETICAL ORDER.

At Prince Rupert, B.C.—

Davis, Allan M.
 Hudson, George Eddy.

At Victoria, B.C.—

*Belding, Harry B.
 *Heryet, William.

At Vancouver, B.C.—

Birmingham, Henry D'Arcy.
 Gibbs, William.
 *Lowry, John G.

At Frank, Alta.—

*Warrick, Frank.

At Edmonton, Alta.—

Crossland, Ernest.

At Calgary, Alta.—

*Slimming, David H.

At Saskatoon, Sask.—

*Baldwin, Harold.
 *Herbert, George H.

At Regina, Sask.—

Beauchamp, Robert.
 Bragg, Geo. William.
 Gardner, Charles.
 Goth, W. Meredith.
 Munro, Fenton.
 Usher, Wm. Henry.

At Winnipeg, Man.—

Dickson, Arthur Edward.
 Stevenson, James.

At London, Ont.—

Jackson, Arthur.
 Johnston, Pamela Iva N.
 Riddle, Herbert Morton.
 Trepanier, Frank A.

At St. Catherines, Ont.—

Ball, Gertrude E.

At Toronto, Ont.—

*Allen, Robert A.
 *Armstrong, Bernard C.
 Bush, George L.

TABLE No. 3.—Successful candidates at the regular examinations—Continued.

At Toronto, Ont.—Con.

Credicott, Richard.
 *Cramm, Donald B.
 Deasy, James C.
 *Lowe, Arthur T.
 *Macdonald, Malcolm.
 *Riley, William.
 *Roberts, David.

At Kingston, Ont.—

Coutu, Nada May.
 Hough, Mabel M.
 Loney, Luther M.

At Ottawa, Ont.—

Cowley, J. A. E.
 Hartney, Berna M.
 Mann, Lorne A.
 Shuttleworth, Mrs. Ellen.
 Vaughn, Patrick J.
 Delage, Eugene.
 Gosselin, Gustave.

At Montreal, P.Q.—

Cadrin, Michel.
 *Douglas, Joseph Monteith.
 Gagnon, Joseph.

At Montreal, P.Q.—Con.

*Grant, Wilson Edwin.
 Hudon, Laetitia.
 *Jessiman, Robert Harris.
 Labeau, Adolphe Paul.
 Minville, Esdras.
 *McLeod, Ross John.
 Paradis, Louis D.
 Poupart, Georges Henri.
 Théberge, Alphonse.
 Thibault, Antoine.
 *Turner, William B.
 Vallée, Paul E. M.

At St. John, N.B.—

Blakslee, Asa D.
 McLaughlin, Leo B.

At Charlottetown, P.E.I.—

Curran, Wm. Stanislas.

At Halifax, N.S.—

Harris, Florence M.
 Hennigar, Merle Frances.
 Robertson, Gerald Reid.
 Weldon, Louisa F.

(i) General Examination for positions in the Lower Grades, Inside Service, May, 1917

IN ORDER OF MERIT.

1. Lefebvre, Roger, Montreal, Que.
2. Portelance, Auguste, Montreal, Que.
3. Corbeil, Emilien, Montreal, Que.
4. Williamson, Mary Elisea, Ottawa, Ont.
5. Bigras, Rene, Montreal, Que.
6. Rochon, J. B., Montreal, Que.
7. Trudeau, Severin, Montreal, Que.
8. Murphy, Clarence D., Halifax, N.S.
9. Cloutier, Adrien, Cookshire, Que.
10. Vinet, Adrien, Montreal, Que.
11. Reinhardt, Mercedes, Hull, Que.
12. Gaulke, Edna Agnes, Ottawa, Ont.
13. Savage, J. T., Ottawa, Ont.
14. Hewitt, May, Ottawa, Ont.

(j) Competitive Examination for positions in Subdivision B of the Third Division, Inside Service, May, 1917.

1. Clerks.

IN ORDER OF MERIT.

1. Porter, Harriett M., Ottawa, Ont.
2. Campbell, Hazel Kathleen, Ottawa, Ont.
3. Barsalou, Dieudonne, Ottawa, Ont.
4. Wylie, Margaret, Alexandria, Ont.
5. Edgar, Muriel H., Ottawa, Ont.
6. O'Neil, Ruby F., Ottawa, Ont.
7. Clement, Marie-Antoinette, Ottawa, Ont.
8. Roe, May Gertrude, Ottawa, Ont.
9. Brown, Kathleen, Ottawa, Ont.
10. Reeve, Dorothy Vernon, Napanee, Ont.
11. Hinton, Gertrude, Ottawa, Ont.
12. Buckingham, Edna, Ottawa, Ont. } equal.
13. Boyle, Harriett, Ottawa, Ont.
14. Bowers, Cora, Ottawa, Ont. } equal.
15. MacFadden, Bessie I. I. } equal.
16. Joynt, Laura I., Ottawa, Ont.
17. Lewitt, Thirza E., Ottawa, Ont.
18. McCann, Maisie Aileen, Ottawa, Ont. } equal.
19. Haskett, Robert Fletcher, Ottawa, Ont. } equal.
20. Maloney, Clara V., Old Chelsea, Que.
21. Alexander, Bessie, Ottawa, Ont.
22. Deveau, William Wallace, Brockville, Ont.
23. Lecovin, Harry, Ottawa, Ont.
24. Towsley, George C., Ottawa, Ont.
25. Hicks, Uriah Stephen, Ottawa, Ont.

2. Stenographers and Typewriters.

IN ORDER OF MERIT.

- ** 1. Boulais, Marguerite, Ottawa, Ont.
- ** 2. Bush, Marjorie N., Ottawa, Ont.
- ** 3. Hill, Mary E., Ottawa, Ont.
- ** 4. Morgan, Florence A., Ottawa, Ont.
- ** 5. Burgess, Stella Jeanne, Ottawa, Ont.
- ** 6. Gillespie, Muriel, Ottawa, Ont.
- ** 7. Bennett, Irene Margery, River Desert, P.Q.
- ** 8. Bourgault, Armande, Ottawa, Ont.
- ** 9. Mattice, Mary Anne, Finch, Ont.
- ** 10. Cody, Ella, Ottawa, Ont. } equal.
- ** 11. Beaton, Ella, Ottawa, Ont. } equal.
- ** 12. Cody, Irene, Ottawa, Ont.
- ** 13. Kuhn, Olga Madeline, Brockville, Ont.
- ** 14. Richer, Emeriza, Ottawa, Ont.
- ** 15. Stewart, Clarabelle, Ottawa, Ont.
- ** 16. Warner, Daisy S., Ottawa, Ont.
- ** 17. Lamb, Mary I., Ottawa, Ont.
- ** 18. Leslie, A. Vivia, Westboro, Ont.
- ** 19. Young, S. Agnes, Ottawa, Ont.
- ** 20. Valice, Alice, Ottawa, Ont.
- ** 21. Keenan, M. Margaret, Chatham, N.B.
- ** 22. Duhamel, Rheta D., Ottawa, Ont.
- ** 23. Howell, Stella, Ottawa, Ont.
24. Turriff, Edith, Ottawa, Ont.
25. Wright, Doris, Ottawa, Ont.
26. Kenny, Mabel, Ottawa, Ont.
27. Hanafin, Bernadette, Vancouver, B.C.
28. Mackenzie, Mary, Toronto, Ont. } equal.
29. Gibson, Mary L., Ottawa, Ont. } equal.
30. Bailey, Helen Blanche, Ottawa, Ont.
31. Dilworth, Norah, Ottawa, Ont.
32. Viau, Marie-Rose, Ottawa, Ont.

**Also successful as clerks.

SESSIONAL PAPER No. 31

TABLE No. 3.—Successful candidates at the regular examinations.—*Concluded.*

(k) *Supplementary Examination in Arithmetic, History and Geography, for successful candidates at previous examinations for Stenographers and Typewriters, May, 1917.*

IN ALPHABETICAL ORDER.

Argue, Dorothy A.	Hoar, Edith May.
Barnes, Flora Alice.	Long, Alice Myrtle.
Demers, Dora.	McCann, Irene Margaret.
Denison, Mabel Irene.	Spence, Ethel J.
Fairbairn, Helen.	Ranger, F. Anna.
Fowler, Ethel Marguerite.	Taylor, Ellen.
Gavin, Hazel Maude.	Whyte, Marion Isabel.

(l) *Competitive Examination for positions in Subdivision B of the Second Division, Inside Service, May, 1917.*

IN ORDER OF MERIT.

1. George, Charles Willis, Ottawa, Ont.	6. Lynch, John A., Ottawa, Ont.
2. Lewis, Joseph, Ottawa, Ont.	7. Carson, Wareham S., Ottawa, Ont.
3. Zivian, Isaac, Ottawa, Ont.	8. Bradley, Harold M., Ottawa, Ont.
4. Laishley, Wilfrid, Ottawa, Ont.	9. Pringle, Alfred, Ottawa, Ont.
5. Daigle, Auguste E., Cocagne, N.B.	

The following female candidates having obtained standing equivalent to those of the successful male competitors, while there are no vacancies in the Second Division to which they can be appointed, are eligible for appointment to the Third Division.

IN ORDER OF MERIT.

1. Potvin, Ethel Mary, Ottawa, Ont.	5. Simpson, Grace Margaret, London, Ont.
2. McDowell, Queenie B., Hyde Park, Ont.	6. McEvoy, Lenore K., Ottawa, Ont.
3. Roughsedge, Mary E. K., Ottawa, Ont.	7. Richards, Rachel E., Ottawa, Ont.
4. O'Connor, Winifred N., Ottawa, Ont.	8. George, Patricia B., Ottawa, Ont.

(m) *Non-competitive Examination for promotion to the Second Division, Inside Service, May, 1917.*

IN ALPHABETICAL ORDER.

Daly, P. J., Mining Lands and Yukon, Department of the Interior.	ment of the Interior.
Graham, Hugh M., Department of Indian Affairs.	May, Oswald, Postal Stores Branch, Post Office
Hutton, Wm. Howard, Accounts Branch, Depart-	Department.

(n) *Competitive Examination for entrance to the Royal Naval College, May, 1917*

IN ORDER OF MERIT.

1. Brock, Patrick Willet, Vancouver, B.C.	11. Myers, Gordon Conant, Barrie, Ont.
2. Crowell, Seymour Corning, Yarmouth, N.S.	12. Davy, Arthur C. M., Westmount, Que.
3. Woolcombe, Edward Mickle, Ottawa, Ont.	13. Adams, Frederick Johnstone, Ottawa, Ont.
4. Budden, Arthur Napier, Montreal, Que.	14. Kingstone, John A. C., St. Catharines, Ont.
5. Marle, George Carlyle, Montreal, Que.	15. Mitchell, George MacGregor, Halifax, N.S.
6. Pickard, Frederick L. S., Victoria, B.C.	16. Winans, Leonard Grenville, Westmount, Que.
7. Smith, Adam W. S., London, Ont.	17. Adamson, Agar Rodney C., Toronto, Ont.
8. Glasgow, Paul John, Toronto, Ont.	18. Mackintosh, Roland C. S. H., Guelph, Ont.
Smith, Arnold Beverley, Toronto, Ont. } Equal	19. Lee, Edward Thurston, St. John, N.B.
10. Hague, Edward Cousins, Montreal, Que.	20. Reynolds, Hibbert L., Halifax, N.S.

TABLE No. 4.—Candidates who were successful as a result of an appeal against the valuation of their papers, March, 1917.

Special Preliminary Examination for the Outside Service.

At Vancouver, B.C.—
King, Harry.

8 GEORGE V, A. 1918

TABLE No. 5.—Number and percentage of successful candidates at the regular examinations.

Examination.	Examined.			Successful.			Per cent successful.		
	Men.	Women.	Total.	Men.	Women.	Total.	Men.	Women.	Total.
DECEMBER 1916.									
Preliminary			496			323			65
Qualifying.			112			49			44
Third Division.....	30	145	175	1	38	39	3	26	22
MAY 1917.									
Preliminary			422			250			59
Qualifying			132			67			51
Lower Grade	11	7	18	10	4	14	91	57	78
Third Division.....	23	222	245	7	50	57	30	23	23
Second Division.....	17	10	27	9	8	17	53	80	63
Promotion to Second Division	11		11	4		4	36		36
Naval Cadetships	31		31	20		20	64		64

NOTE.—It will be observed in connection with the Third and Second Division Examinations that only sufficient candidates are declared successful to fill the vacancies in connection with which the examinations are held. It may thus happen that candidates who have obtained the prescribed percentages are not declared successful.

TABLE No. 6.—Number and percentage of returned soldiers who were successful at examinations.

Examination.	Examined.	Successful.	Per cent successful.
SEPTEMBER, 1916.			
Preliminary.....	8	8	100
DECEMBER, 1916.			
Preliminary.....	40	22	55
Qualifying.....	6	2	33
Third Division.....	2	0	0
MARCH, 1917.			
Preliminary.....	162	137	85
MAY, 1917.			
Preliminary.....	103	66	64
Qualifying.....	39	19	49
Lower Grade.....	1	1	100
Third Division.....	1	0	0
Second Division.....	1	0	0

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TABLE No. 7.—Number of returned soldiers writing on examinations at the different centres.

Place of Examination.	SEPTEMBER, 1916.			DECEMBER, 1916.			MARCH, 1917.			MAY, 1917.		
	Preliminary	Qualifying.	Third Division.	Preliminary.	Qualifying.	Third Division.	Preliminary.	Qualifying.	Lower Grade.	Second Division.	Third Division.	Total.
Victoria.	—	—	—	—	—	—	—	—	—	—	—	—
Vancouver.	—	—	—	—	—	—	—	—	—	—	—	—
Frank.	—	—	—	—	—	—	—	—	—	—	—	—
Edmonton.	—	—	—	—	—	—	—	—	—	—	—	—
Calgary.	—	—	—	—	—	—	—	—	—	—	—	—
Moosejaw.	—	—	—	—	—	—	—	—	—	—	—	—
Saskatoon.	—	—	—	—	—	—	—	—	—	—	—	—
Regina.	—	—	—	—	—	—	—	—	—	—	—	—
Brandon.	—	—	—	—	—	—	—	—	—	—	—	—
Winnipeg.	—	—	—	—	—	—	—	—	—	—	—	—
North Bay.	—	—	—	—	—	—	—	—	—	—	—	—
London.	—	—	—	—	—	—	—	—	—	—	—	—
Hamilton.	—	—	—	—	—	—	—	—	—	—	—	—
Toronto.	—	—	—	—	—	—	—	—	—	—	—	—
Ottawa.	—	—	—	—	—	—	—	—	—	—	—	—
Montreal.	—	—	—	—	—	—	—	—	—	—	—	—
Sherbrooke.	—	—	—	—	—	—	—	—	—	—	—	—
St. John.	—	—	—	—	—	—	—	—	—	—	—	—
Charlottetown.	—	—	—	—	—	—	—	—	—	—	—	—
Halifax.	—	—	—	—	—	—	—	—	—	—	—	—
Total.	8	40	6	2	162	103	39	1	1	1	1	363

TABLE NO. 8.—Examiners who prepared the questions and valued the answers at the examinations.

REGULAR EXAMINATIONS.

(a) *Preliminary Examinations for the Outside Service.*

Arithmetic.....	T. E. Clarke, B.A., Ottawa, Ont.
Spelling, English.....	William Burke, Ottawa, Ont.
French.....	J.-A. Lajeunesse, O.M.I. University of Ottawa, Ottawa, Ont.
Writing, (preparing questions) English.....	C. H. Bland, B.A., Civil Service Commission, Ottawa, Ont.
French.....	J. R. A. Baril, B.A., Civil Service Commission, Ottawa, Ont.
(valuing answers).....	J. C. Spence, B.A., Ottawa, Ont.

(b) *Qualifying Examinations for the Outside Service.*

Arithmetic.....	I. T. Norris, B.A., Ottawa, Ont.
Composition, English.....	W. J. Sykes, M.A., Ottawa, Ont.
French.....	Rev. G. Dauth, B.A., Laval University, Montreal, Que.
Copying Manuscripts, English.....	W. A. Graham, B.A., Ottawa, Ont.
French.....	Rev. G. Dauth, B.A., Laval University, Montreal, Que.
Geography.....	Finlay Hood, Ottawa, Ont.
History.....	Robert Stothers, B.A., Ottawa, Ont.
Spelling, English.....	J. E. Miller, Ottawa, Ont.
French.....	J. M. Lanos, M. Lit., Royal Military College, Kingston, Ont.
Writing, English.....	W. A. Graham, B.A., Ottawa, Ont.
French.....	Rev. G. Dauth, B.A., Laval University, Montreal, Que.

(c) *Examination for positions in the Lower Grades of the Inside Service.*

Arithmetic.....	T. E. Clarke, B.A., Ottawa, Ont.
Spelling, English.....	William Burke, Ottawa, Ont.
French.....	J. A. Lajeunesse, O.M.I., University of Ottawa, Ottawa, Ont.
Writing, (preparing questions) English.....	C. H. Bland, B.A., Civil Service Commission, Ottawa, Ont.
French.....	J. R. A. Baril, B.A., Civil Service Commission, Ottawa, Ont.
(valuing answers).....	J. C. Spence, B.A., Ottawa, Ont.

(d) *Competitive Examinations for positions in the Third Division of the Inside Service.*

Arithmetic.....	F. A. Jones, B.A., Ottawa, Ont.
Book-keeping.....	G. L. Blatch, B.A., Ottawa, Ont.
Composition, English.....	F. A. Perney, Ottawa, Ont.
French.....	J. M. Lanos, M. Lit., Royal Military College, Kingston, Ont.
Copying Manuscripts, English.....	W. A. Graham, B.A., Ottawa, Ont.
French.....	J. M. Lanos, M. Lit., Royal Military College, Kingston, Ont.

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Geography.....	A. E. Meldrum, Ottawa, Ont.
History.....	J. H. Putman, D. Paed., Ottawa, Ont.
Shorthand, English.....	R. C. Dunbar, Ottawa, Ont.
French.....	J. R. A. Baril, B.A., Civil Service Commission, Ottawa, Ont.
Spelling, English.....	J. E. Miller, Ottawa, Ont.
French.....	J. M. Lanos, M. Lit., Royal Military College, Kingston, Ont.
Typewriting, English.....	R. C. Dunbar, Ottawa, Ont.
French.....	J. R. A. Baril, B.A., Civil Service Commission, Ottawa, Ont.
Writing, English.....	W. A. Graham, B.A., Ottawa, Ont.
French.....	J. M. Lanos, M. Lit., Royal Military College, Kingston, Ont.

(e) *Competitive Examinations for positions in the Second Division of the Inside Service.*

Algebra.....	S. Beatty, Ph. D., University of Toronto, and L. A. H. Warren, M.A., Ph. D., University of Manitoba.
Arithmetic.....	C. C. Jones, B.A., Ph. D., LL.D., University of New Brunswick, and J. Matheson, M.A., Queen's University.
Biology.....	B. A. Bensley, B.A., Ph. D., University of Toronto, and C. M. Derick, M.A., McGill University.
Book-keeping.....	G. L. Blatch, B.A., Ottawa.
Chemistry.....	G. Dauth, B.A., Laval University, and E. Mackay, B.A., Ph. D., Dalhousie University.
Composition, English.....	A. E. Attwood, M.A., Ottawa.
French.....	J. Boyon, O.M.I., University of Ottawa.
Economics.....	W. C. Keirstead, M.A., Ph. D., University of New Brunswick, and O. D. Skelton, M. A., Ph. D., Queen's University.
French and English.....	G. Dauth, B.A., Laval University, and J. L. Morin, M.A., McGill University.
Geography.....	H. H. Langton, M.A., University of Toronto.
Geology.....	J. A. Baneroff, M.A., Ph. D., McGill University, and W. A. Parks, B.A., Ph. D., University of Toronto.
Geometry.....	S. Beatty, Ph. D., University of Toronto, and L. A. H. Warren, M.A., Ph. D., University of Manitoba.
German.....	G. H. Needler, B.A., Ph.D., University of Toronto, and H. Walter, M.A., Ph.D., McGill University.
History.....	A. E. Gosselin, M.A., Laval University, and G. M. Wrong, M.A., University of Toronto.
Latin.....	N. DeWitt, B. A., Ph. D., Victoria University and W. G. Sullivan, M.A., University of Saskatchewan.
Law, Civil.....	R. W. Lee, M.A., B.C.L., McGill University.
English.....	John D. Falconbridge, Toronto.
Literature, English.....	J. F. Macdonald, M.A., Queen's University, and A. MacMechan, B.A., Ph.D., Dalhousie University.
French.....	A. E. Gosselin, M.A., Laval University.
Philosophy, General.....	W. Caldwell, D.Sc., McGill University, and J. Watson M.A., LL.D., Queen's University.
Scholastic.....	A. E. Gosselin, M.A., Laval University.
Physics.....	F. H. Day, M.Sc., Royal Military College, and J. C. McLennan, B.A., Ph.D., University of Toronto.
Political Science.....	S. B. Leacock, Ph.D., McGill University, and O. D. Skelton, M.A., Ph.D., Queen's University.
Shorthand, English.....	R. C. Dunbar, Ottawa, Ont.
French.....	J. R. A. Baril, B.A., Civil Service Commission.
Spelling, English.....	F. A. Jones, B.A., Ottawa, Ont.
French.....	J. A. Lajeunesse, O.M.I., University of Ottawa.
Typewriting, English.....	R. C. Dunbar, Ottawa, Ont.
French.....	J. R. A. Baril, B.A., Civil Service Commission.

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(f) *Examination for entrance to the Royal Naval College.*

The papers for this examination were prepared by the Staff of the Royal Naval College, as follows:—

Algebra.....	D. V. F. Robinson.
Arithmetic.....	B. S. Hartley.
Drawing..	R. H. Howley and C. Hartley.
English.....	D. V. F. Robinson and L. N. Richardson.
French.....	J. J. Penny.
Geography.....	A. G. Hatcher.
Geometry.....	L. N. Richardson.
German.....	J. J. Penny.
History.....	J. J. Penny.
Latin.	J. J. Penny.
Science, Elementary.....	A. G. Hatcher.

SPECIAL EXAMINATIONS.

(a) *Examinations for positions in the Lower Grades of the Inside Service.*

Arithmetic, Spelling, and Writing, (English).....	C. H. Bland, B. A., Civil Service Commission.
Arithmetic, Spelling, and Writing, (French).....	J. R. A. Baril, B.A., Civil Service Commission.

(b) *Tests for positions for Temporary Stenographers and Typewriters.*

Shorthand and Typewriting, (English).....	C. H. Bland, B.A., Civil Service Commission.
Shorthand and Typewriting, (French).....	J. R. A. Baril, B.A., Civil Service Commission.

TABLE NO. 9.—Examiners who acted as members of the Boards of Appeals.

(a) *Preliminary and Lower Grade Examinations.*

Arithmetic, Spelling and Writing (English).....	Miss E. E. Saunders M.A., Civil Service Commission (December), and J. R. A. Baril, B.A., Civil Service Commission (May).
Arithmetic, Spelling, and Writing (French).....	J. R. A. Baril, B.A., Civil Service Commission.

(b) *Qualifying Examinations.*

Arithmetic.....	F. A. Jones, B.A., Ottawa, Ont.
Composition (English).....	W. A. Graham, B.A., Ottawa, Ont.
Composition (French).....	J. M. Lanos, M. Lit., Royal Military College, Kingston, Ont.
Copying Manuscripts (English).....	F. A. Jones, B.A., Ottawa, Ont.
" (French).....	J. M. Lanos, M. Lit., Royal Military College, Kingston, Ont.
Geography, History.....	J. H. Putman, D. Paed., Ottawa, Ont..
Spelling (English).....	W. A. Graham, B.A., Ottawa, Ont.
" (French).....	Rev. G. Dauth, B.A., Laval University, Montreal, Que.
Writing (English).....	F. A. Jones, B.A., Ottawa, Ont.
" (French).....	J. M. Lanos, M. Lit., Royal Military College, Kingston, Ont.

(c) *Third Division Examinations.*

Arithmetic.....	F. Hood, Ottawa, Ont.
Composition (English).....	W. J. Sykes, M.A., Ottawa, Ont.
" (French).....	Rev. G. Dauth, B.A., Laval University, Montreal, Que.

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Copying Manuscripts (English).....	F. Hood, Ottawa, Ont.
(French).....	Rev. G. Dauth, B.A., Laval University, Montreal, Que.
Geography.....	F. Hood, Ottawa, Ont.
History.....	W. J. Sykes, M.A., Ottawa, Ont.
Shorthand.....	T. Bengough, C. S. R., Toronto, Ont.
Spelling (English).....	W. J. Sykes, M.A., Ottawa, Ont.
(French).....	Rev. G. Dauth, B.A., Laval University, Montreal, Que.
Typewriting.....	T. Bengough, C.S.R. Toronto, Ont.
Writing (English).....	F. Hood, Ottawa, Ont.
(French).....	Rev. G. Dauth, B.A., Laval University, Montreal, Que.

TABLE No. 10.—Examiners under whose supervision the different examinations were conducted.

Place of Examination.	Supervisor.
<i>(In alphabetical order).</i>	
Brandon, Man.....	S. J. McKee, B.A., LL.D., Brandon College.
Brockville, Ont.....	Rev. H. H. Bedford-Jones, M.A.
Calgary, Alta.....	E. W. Coffin, B. A., Ph. D., Principal, Normal School.
Charlottetown, P.E.I.....	S. N. Robertson, M.A., LL.D., Principal, Prince of Wales College and Normal School.
Chatham, N.B.....	Rev. J. J. Pinkerton (December) and G. H. Harrison, Principal, High School (May).
Dawson, Y. T.....	T. G. Bragg, Superintendent of Schools.
Edmonton, Alta.....	Rev. J. H. Riddell, D.D., Principal, Alberta College.
Frank, Alta.....	Rev. W. T. Young.
Fredericton, N.B.....	W. T. Raymond, B.A., University of New Brunswick.
Halifax, N.S.....	Howard Murray, B.A., LL.D., Dalhousie University.
Hamilton, Ont.....	R. A. Thompson, B.A., LL.D., Principal, Collegiate Institute.
Kingston, Ont.....	J. F. Macdonald, M.A., Queen's University.
London, Ont.....	N. C. James, M.A., Ph. D., Western University.
Moncton, N.B.....	G. J. Oulton, Aberdeen High School.
Montreal, Que.....	N. E. Wheeler, McGill University. (Associate. A. Dollo, Polytechnic School. (Examiners.
Moosejaw, Sask.....	J. W. Sifton, Superintendent of Schools.
Nanaimo, B.C.....	Herbert Skinner.
Nelson, B.C.....	B. P. Steeves, Principal, Normal School.
North Bay, Ont.....	P. W. Brown, Principal, High School.
Ottawa, Ont.....	C. H. Bland, B.A., Civil Service Commission. J. R. A. Baril, B.A., Civil Service Commission. S. J. Daley, Civil Service Commission.
Peterborough, Ont.....	A. Mowat, B.A., Inspector of Schools.
Port Arthur, Ont.....	Rev. C. W. Hedley, M.A.
Prince Rupert, B.C.....	J. C. Brady, Principal, High School.
Quebec, Que.....	Rev. A. E. Gosselin, M.A., Rector, Laval University.
Regina, Sask.....	J. S. Huff, Principal, Normal School.
Rimouski, Que.....	Rev. R. Ph. Sylvain, Principal, Rimouski Seminary.
Saskatoon, Sask.....	W. C. Murray, M.A., LL.D., President, University of Saskatchewan.
Sault Ste. Marie, Ont.....	W. B. Race, B. A., Principal, High School.
Sherbrooke, Que.....	Rev. A. O. Gagnon, St. Charles Borromeo Seminary.
Sorel, Que.....	Rev. Father Ignace, Mont St. Bernard Academy.
Sydney, N.S.....	A. W. Woodill, Supervisor of Schools.
St. Catharines, Ont.....	A. E. Coombs, Principal, High School.
St. John, N.B.....	W. M. McLean, Inspector of Schools.
Toronto, Ont.....	James Brebner, B.A., Registrar, University of Toronto.
Vancouver, B.C.....	William Burns, B.A., Principal, Normal School.
Victoria, B.C.....	Rev. J. Campbell, M.A.
Windsor, Ont.....	F. P. Gavin, B.A., Principal, Collegiate Institute.
Wingham, Ont.....	G. R. Smith, B. A., Principal, High School.
Winnipeg, Man.....	W. J. Spence, B.A., Registrar, University of Manitoba.
Yarmouth, N.S.....	W. F. Kempton, Principal, Yarmouth Academy.

TABLE No. 11.—Competitions for special positions held by the Commission.

Competition Number.	Date of Advertisement.	Nature of Position.	Department.	Number of Vacancies.	Number of Competitors.	Successful Competitors.
	1916.					
275	Sept. 12	Temporary Draughtsman.	Naval Service..... (Hydrographic Survey Branch.)	2	53	*W. S. Larmour, Ottawa, Ont.
276	" 28	Technical Clerk....	Interior..... (Topographical Survey Branch.)	1	21	J. H. Byrne, Ottawa, Ont.
277	" 30	Research Chemist.	Mines.. (Mines Branch.)	1	5	None. (Position re-advertised December, 27.)
278	Oct. 19	Analyst.....	Inland Revenue.. (Laboratory.)	5	7	Geo. E. Grattan, Nobel, Ont.; John A. Gunton, Toronto, Ont.; Wm. H. Hill, Guelph, Ont.; James Walker, Montreal, Que.; Wm. Campion, Ottawa, Ont.
279	Nov. 23	Clerk.....	Labour.	1	16	No appointment made.
280	" 23	Assistant Chemist...	Mines..... (Mines Branch.)	1	7	R. J. Traill, Ottawa, Ont.
281	" 23	Translator.....	Trade and Commerce...	1	9	S. L. Durantel, Montreal, Que.
282	" 23	Reporter..	Senate..... (Debates Staff.)	1	4	No selection made.
283	Dec. 6	Assistant.....	Public Works.. (Cement Testing Laboratory.)	1	3	J. B. Marion, Ottawa, Ont.
284	" 27	Research Chemist..	Mines.. (Mines Branch.)	1	7	Ross E. Gilmore, Montreal, Que.
285	" 27	Process Photogra-pher.	Public Works.....	1	11	Thomas G. Bell, Ottawa, Ont.
	1917.					
286	Jan. 24	Chemist.....	Agriculture (Experimental Farms Branch.)	1	6	No selection made.
287	April 12	Assistant.....	Agriculture (Cattle Division, Live Stock Branch.)	1	7	None. (Position re-advertised August 23.)
288	" 18	Clerk....	Interior.....	3	17	James Goulding, Toronto, Ont.; J. M. Douglas, Montreal, Que. ; J. B. Henshaw, Ottawa, Ont.
289	May 16	Technical Clerk...	Interior... (Topographical Surveys Branch.)	2	5	No selection made.
290	July 18	Map Draughtsman..	Mines..... (Geological Surveys Branch.)	1	3	No selection made.
291	" 18	Translator.	House of Commons (Hansard Staff.)	1	15	J. P. A. Chevassu, Montreal, Que.
292	Aug. 9	Assistant Engineer.	Mines .. (Mines Branch.)	1	2	Karl A. Clark, Ottawa, Ont.
293	" 9	Assistant Engineering Chemist.	Mines..... (Mines Branch.)	1	4	Thos. W. Hardy, Ottawa, Ont.
294	" 9	Clerk.....	Naval Service..... (Stores Branch.)	2	7	A. W. Smith, Toronto, Ont; F. C. Gliddon, Ottawa, Ont.
295	" 23	Assistant Chemist.	Mines..... (Mines Branch.)	1	3	No selection made.
296	" 23	Assistant Chemist	Mines.. (Mines Branch.)	1	3	Positions re-advertised October 17, 1917.
297	" 23	Assistant.....	Agriculture (Cattle Division, Live Stock Branch.)	1	7	Frank G. Semple, Ottawa, Ont.
298	" 30	Patent Examiner..	Agriculture	1	1	Hugh A. Campion, Ottawa, Ont.

*Declined appointment.

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TABLE No. 12.—Persons who have exhibited to the Commission certificates of graduation from a Canadian University or from the Royal Military College, and are, in virtue thereof, regarded as eligible for employment in the Outside Service, without examination.

Name (In alphabetical order.)	Degree.	University or College.
Cresse, Louis George A.....	Bachelor of Law.....	Laval.
Gagnier, Herve.....	Bachelor of Arts.....	Laval.
Gagnon, Henri.....	Bachelor of Arts.....	Laval.
Gatien, Romuald.....	Bachelor of Science.....	Laval.
Levesque, Wilfrid.....	Bachelor of Science.....	Laval.
Moussette, John B.....	Bachelor of Arts.....	Laval.
Paradis, Jules.....	Doctor of Medicine....	Laval.
Parr, Ludger.....	Bachelor of Arts..	Laval.

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TABLE No. 13.—Permanent appointments made by the Commission to positions in the Lower Grades.

(A) Selected from the general list of successful candidates.

(B) Nominated by the Departments and qualified by special examinations.

Name.	Age	Salary.	Position.	Residence when appointed.	Date of certificate.	Department.
(A).						
Arnold, Gordon L...	17	\$ 500	Sorter.	Fenelon Falls, Ont	Jan. 1, 1917	Post Office.
Heroux, Joseph Aime.	18	500	Messenger	Terrebonne, P.Q..	Sept. 12, 1916	"
Legault, Ovila.....	17	500	"	Ottawa, Ont.....	Jan. 29, 1917	Public Works.
O'Bomsawin, George R	17	500	"	Pierreville, P.Q....	Dec. 21, 1916	Post Office.
Robillard, Thomas M.						"
J.	17	500	"	Ottawa, Ont.	Nov. 6, 1916	"
Stock, Herbert C...	34	800	"	"	May 1, 1917	Library of Parliament.
(B).						
Bartlett, Edwin D	43	600	Messenger	Ottawa, Ont..	April 1, 1917	Post Office.
Carson, Eva Margaret..	18	600	Sorter.....	North Nation Mills, P.Q. ..	April 1, 1917	"
Case, Robert Henry..	27	600	Messenger...	Gananoque, Ont.	July 1, 1917	Interior.
Dorval, M. H. Lucienne Y.	16	600	Sorter	Ottawa, Ont.	May 1, 1917	Post Office.
Desormeaux, Percy H.	19	600	Messenger...	"	July 1, 1917	Mines.
Farrell, Yvonne..	21	500	Sorter..	"	Jan 1, 1917	Post Office.
Fairbanks, Anna..	27	600	"	"	April 1, 1917	"
Greaves, Joseph..	50	600	Messenger.	"	Oct. 1, 1916	Interior.
Gibson, Arthur J.....	38	600	"	Hull, P.Q.....	July 1, 1917	"
Harty, Katherine G..	24	500	Sorter.....	Ottawa, Ont.....	Oct. 1, 1916	Post Office.
Hibbard, Harold V	17	500	Packer..	"	Oct. 17, 1916	"
Hanlon, Lillian K	18	500	Sorter	"	Jan. 1, 1917	"
Horan, Gertrude Anna	17	500	Sorter	"	Jan. 1, 1917	"
Hudon, Emma	27	600	"	"	April 1, 1917	"
Kerr, Mabel...	21	500	Sorter	"	Sept. 1, 1916	"
Levin, Samuel..	16	600	"	"	April 2, 1917	"
Monk, John E. B	14	600	Messenger	"	June 25, 1917	Royal North West Mounted Police.
McCradden, Margaret..	30	500	Sorter.....	"	Jan. 1, 1917	Post Office.
Neville, William J	16	600	"	"	July 1, 1917	Militia and De- fence.
Paradis, Helene	17	600	"	Levis, P.Q..	April 1, 1917	Post Office.
Scott, William..	36	600	Packer....	Ottawa, Ont.	April 2, 1917	Indian Affairs.
Sherwood, Lucy B	20	600	Sorter.	"	July 1, 1917	Post Office.
Turley, John	31	500	Messenger...	"	Jan. 1, 1917	"
Thompson, Gordon S	16	600	Sorter	"	April 2, 1917	"
Wills, Edward Geroge..	29	600	Messenger	Woodroffe, Ont.....	Dec. 11, 1916	Justice.
Wiles, Norman B..	16	500	Packer....	Ottawa, Ont..	Jan. 1, 1917	Post Office.
Woodburn, Madge G	32	600	Sorter	"	June 1, 1917	Interior.
Waddell, Harold	16	600	"	"	July 1, 1917	Militia and De- fence.
Walters, Anabel.....	23	600	"	"	July 1, 1917	Interior.

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TABLE No. 14.—Permanent appointments made by the Commission to positions in the Third Division, as the result of open competitive examinations.

Name.	Age.	Salary.	Residence when appointed.	Date of certificate.	Department.
Askwith, Mary E.	20	700	Ottawa, Ont.	Jan 13, 1917	Post Office.
Bradley, Roberta R.	16	500	Ottawa, Ont.	Mar 14, 1917	Agriculture.
Beaton, Ella Maud.	19	600	Rockland, Ont.	June 9, 1917	Trade and Commerce
Bush, Marjorie E.	19	700	Ottawa, Ont.	" 9, 1917	Agriculture
Bailey, Helen B.	21	600	"	July 1, 1917	Post Office.
Boulais, Marguerite	19	700	"	" 1, 1917	Naval Service.
Bourgault, Marie A. A	18	600	St. Jean Port Joli; P.Q	" 25, 1917	Post Office.
Calder, Catherine M.	22	600	Westboro, Ont.	Oct. 1, 1916	Public Works.
Carson, Wareham S.	19	500	Waterdown, Ont.	" 1, 1916	Agriculture.
Craig, Annie M.	21	750	Ottawa, Ont.	Jan 1, 1917	Justice.
Campbell, Annie L.	21	500	Deseronto, Ont.	" 13, 1917	Naval Service.
Cummings, Mrs. Mabel M.	26	600	Ottawa, Ont.	April 2, 1917	Naval Service.
Cochrane, Elsie V	19	600	"	July 1, 1917	Commission of Conservation.
Doran, Lillian I.	20	650	"	Jan. 13, 1917	Commission of Conservation.
Desilets, Marie E. A.	21	500	"	" 13, 1917	Naval Service.
Davis, Mary Agnes.	24	500	Jockvale, Ont.	Mar 9, 1917	Auditor General.
Dilworth, Norah	25	600	Ottawa, Ont.	July 1, 1917	Post Office.
Deveau, William W.	16	600	Brockville, Ont.	" 1, 1917	Post Office.
Duhamel, Rheta D.	20	600	Ottawa, Ont.	" 1, 1917	Insurance.
Edgar, Muriel H.	20	600	"	Aug. 13, 1917	Post Office.
Fleury, Ange	18	500	"	Oct. 1, 1916	Marine.
Flanagan, Mary C.	17	500	"	Jan. 13, 1917	External Affairs.
Godfrey, Cara L.	26	500	"	Sept. 2, 1916	Agriculture.
Gilbert, Viola N.	30	700	Alexandria, Ont.	Jan. 16, 1917	Interior.
Gauthier, Marie S. E.	18	600	Ottawa, Ont.	Mar 7, 1917	Agriculture.
Gillespie, Kathleen M.	22	700	"	July 1, 1917	Interior.
Gibson, Mary L.	19	600	"	" 1, 1917	Interior.
Hurtubise, Arthur	20	700	"	Oct. 1, 1916	Agriculture.
Hill, Mary Ethel	17	700	"	July 1, 1917	Inland Revenue.
Hicks, Uriah Stephen.	16	600	"	" 1, 1917	Naval Service.
Hinton, Jennie G.	23	600	"	Aug. 2, 1917	Agriculture.
Johnson, Gertrude	28	500	Toronto, Ont.	Nov. 27, 1916	Post Office.
Kilduff, Frances E.	18	650	Ottawa, Ont.	Jan. 13, 1917	Agriculture.
Kenny, Mabel	20	600	Embrum, Ont	June 9, 1917	Agriculture.
Keenan, Marion M.	23	600	Chatham, N.B.	July 23, 1917	Trade and Commerce.
Lee, Harold A. L.	19	500	Ottawa, Ont.	Dec. 11, 1916	Interior.
Labelle, Marie J. Y.	20	600	Hull, P.Q.	Jan. 1, 1917	Agriculture
Langdon, Lillian L.	21	800	Ottawa, Ont.	" 24, 1917	Interior.
Living, Helen K.	27	700	Westboro, Ont.	April 1, 1917	Agriculture
Lamb, Mary T	19	600	Ottawa, Ont.	July 4, 1917	Interior.
Lecovin, Harry	17	600	"	" 13, 1917	Post Office.
Macdonell, Jean L. C.	19	500	Kingston, Ont.	Jan. 18, 1917	Interior.
Martin, Jean D.	20	500	Ottawa, Ont.	Feb. 15, 1917	Naval Service.
Mahoney, May G.	24	600	"	April 2, 1917	External Affairs.
MacFadden, Bessie I. I	21	600	Carleton Place, Ont.	June 9, 1917	Trade and Commerce.
Mattice, Mary M.	18	700	Finch, Ont.	" 18, 1917	Interior.
Morgan, Florence A.	19	700	Ottawa, Ont.	" 22, 1917	Interior.
Murray, Adona M.	21	600	Almonte, Ont.	July 9, 1917	Post Office.
McMahon, Mary	24	500	Chatham, N.B.	Oct. 1, 1916	Agriculture.
McGovern, Eva C.	19	500	Ottawa, Ont.	Jan. 13, 1917	Post Office.
McKibbin, Hazel H.	23	500	"	" 13, 1917	Post Office.
McGovern, Ada T.	19	500	"	Feb. 1, 1917	Post Office.
McRae, Catherine M. C.	18	700	Sudbury, Ont.	" 5, 1917	Trade and Commerce.
McCann, Maisie A.	18	600	Ottawa, Ont.	July 1, 1917	Naval Service.
Parmalee, Ruth M.	19	500	"	Sept. 7, 1916	Auditor General.
Perron, Flore J.	25	750	Montreal, P.Q.	May 21, 1917	Inland Revenue.
Porter, Harriett M.	32	700	Ottawa, Ont.	July 1, 1917	Naval Service.
Reed, Laura M	23	500	North Hatley, Ont.	Sept. 11, 1916	Naval Service.
Robertson, Jessie E	19	600	Ottawa, Ont.	Oct. 12, 1916	Interior.
Rousseau, Marcienne	30	500	Rimouski, P.Q.	Jan. 4, 1917	Post Office.
Robertson, Dorothy J.	23	500	Ottawa, Ont.	" 13, 1917	Naval Service.
Reid, Eleanor D.	17	600	"	April 1, 1917	Naval Service.
Roe, May G.	17	800	"	June 28, 1917	Interior.
Smith, Florence Ada.	18	500	"	Sept. 16, 1916	Post Office.

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TABLE No. 14.—Permanent appointments made by the Commission to positions in the Third Division, as the result of open competitive examinations.—*Concluded.*

Name.	Age.	Salary.	Residence when appointed.	Date of certificate.	Department.
Stewart, Marion F.....	24	500	Ottawa, Ont.....	Oct. 1, 1916	Civil Service Commission.
Spittal, Agnes G.....	18	600	"	" 1, 1916	Agriculture
Ste. Marie, Alberte J..	19	500	"	Jan 13, 1917	Inland Revenue.
Smith, Eileen M	16	600	"	" 13, 1917	Agriculture.
Smith, Marjorie.....	19	650	"	Feb. 1, 1917	Interior.
Sayer, Amanda.	21	500	"	" 1, 1917	Naval Service.
Stewart, Irma C.....	18	600	"	Aug. 27, 1917	Interior.
Tierney, Elizabeth..	25	600	"	Feb. 1, 1917	Interior.
Turriff, Edith	31	600	"	June 9, 1917	External Affairs.
Towsley, George E.....	17	600	"	July 16, 1917	Post Office.
Woodburn, Mary G. U....	20	600	East Aylmer, P.Q	Oct. 12, 1916	Interior.
Wight, Ruby.....	17	500	Ottawa, Ont.	Jan. 16, 1917	Interior.
Wainman, Edna A	19	500	"	" 22, 1917	Interior.
Walls, Margaret Louise..	21	500	Chatham, N.B.	" 25, 1917	Interior.
Williams, Edith..	28	650	Cornwall, Ont..	" 25, 1917	Interior.
Warner, Daisy S.	20	600	Ottawa, Ont.....	June 9, 1917	Agriculture
Wright, Doris E. C.	16	600	"	July 4, 1917	Interior.
Wylie, Margaret E.....	20	600	Alexandria, Ont.....	" 28, 1917	Post Office.

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TABLE No. 15.—Permanent appointments made by the Commission to positions in the Second Division, as the result of open competitive examinations.

Name.	Age.	Salary.	Residence when appointed.	Date of certificate.	Department.
Abbott, William E..	28	1,000	Marysville, Ont.	July 1, 1917.	Customs.
Bradley, Harold M	27	1,000	Ottawa, Ont.	" 1, 1917	Public Works.
Deachman, John S.	19	800	Carleton Place, Ont..	Sept. 1, 1916	Customs.
Dupont, Joseph A.	23	800	Hull, P.Q.	Mar 30, 1917.	Trade and Commerce.
Fitzgerald, Robert R .	21	800	Charlottetown, P.E.I.	Sept. 1, 1916	Customs.
Mackintosh, Margaret...	26	800	Madoc, Ont.	Oct 26, 1916	Labour.
O'Brien, Nora E.	27	1,000	Halifax, N.S...	June 5, 1917	Labour.
Pilon, Joseph V..	20	800	Windsor, Ont.	Sept. 1, 1916	Customs.
Petrie, Edward.	26	800	Ottawa, Ont.	Oct. 1, 1916	Customs.
Parr, Joseph L.	23	1,000	Ottawa, Ont.	April 2, 1917	Library of Parliament.
Raynard, Kenneth S...	22	800	"	Oct. 1, 1916	Customs.
Younger, Lloyd R.....	20	1,000	Guelph, Ont.	July 1, 1917	Customs.

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TABLE No. 16.—Permanent appointments to special positions made by the Commission as the result of open competitions.

Name.	Age	Position.	Rank.	Date of appointment.	Salary.	Residence when appointed.	Department.
Bell, Thomas Grayson...	45	Process Photogra- pher.	II B	April 17, 1917	1,300	Ottawa, Ont..	Public Works.
Cantelo, Robert Charles	25	Ass't. Engineering Chemist.	II A	Oct. 17, 1916	1,600	St. Thomas, Ont.	Mines.
Durantel, Sosthene L. E.	47	Translator.....	II B	Mar. 1, 1917	1,300	Montreal, P.Q	Trade and Commer- ce.
Gilmore, Ross Earlby...	28	Research Chemist..	I B	Mar. 19, 1917	2,100	Montreal, P.Q	Mines.
Marion, Jean Baptiste...	41	Ass't. in Cement Testing Labora- tory.	III B	Jan. 29, 1917	800	Ottawa, Ont..	Public Works.
Traill, Robert James....	28	Ass't. Chemist...	II A	Dec. 18, 1916	1,600	Ottawa, Ont.	Mines.

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TABLE No. 17.—Permanent appointments to special positions made by the Governor General in Council, on the receipt of a certificate of qualification from the Commission.

(A) After selection by open competition.

(B) After selection by the Departments, without competition.

Name.	Rank.	Salary.	Date of certificate.	Date of Order-in-Council.	Residence when appointed.	Position.	Department.
(A).							
Ball, William F.	II B	\$1,200	Nov. 7, 1916	Dec. 20, 1916	Jasper, Alta.	Draughtsman	Post Office.
Fisher, Ward.	I B	2,100	Sept. 30, 1916	Nov. 8, 1916	Ottawa, Ont.	Ass't Superintendent of Fisheries.	Naval Service.
(B)							
Brot, Maurice..	II B	1,300	Sept. 1, 1916	Mar. 12, 1917	Montreal, P.Q	Ass't. Analyst	In'd Revenue.
Breton, Joseph C..	II B	1,200	April 23, 1917	May 25, 1917	Ottawa, Ont.	Clerk...	In'd Revenue.
Brother, George H.	II A	1,600	May 25, 1917	June 9, 1917	Toronto, Ont.	Ass't Analyst	In'd Revenue.
Douglas, Robert...	II A	1,800	Oct. 1, 1916		Britannia Heights, Ont.	Secretary - to the Geographic Board.	Interior.
Fournier, Jules..	II A	1,600	Mar 31, 1917		Ottawa, Ont.	Translator.	Senate.
Grenier, Armand	I A	2,800	May 29, 1917	May 16, 1917	Montreal, P.Q.	Civil Law Reporter.	Justice.
Gooderham, Charles B.	II B	1,300	May 30, 1917	June 21, 1917	Truro, N.S	Ass't to the Apiarist.	Agriculture.
Gunton, John A.	II B	1,300	June 1, 1917		Simecoe, Ont..	Ass't. Analyst	Inland Revenue.
Hill, William H.	II B	1,300	July 1, 1917	July 17, 1917	Ottawa, Ont.	Ass't. Analyst	Inland Revenue.
Lye, Ossian G.....	II B	1,300	June 1, 1917		Toronto, Ont..	Ass't. Analyst	Inland Revenue.
Marshall, John H.	II A	1,600	Jan 1, 1917	Jan. 27, 1917	Stella, Ont..	Patent Examiner.	Agriculture.
McFall, Robert James.	IB	2,100	June 20, 1917	July 17, 1917	Minneapolis, Minn, U.S.A	To Study Canadian internal trade problems.	Trade & Commerce.
Rowat, Richard	IIB	1,300	Dec 1, 1916	Mar. 12, 1917	Athelston, P.Q.	Ass't. Analyst	Inland Revenue.
Tremblay, Joseph U.	II A	1,600	Nov. 25, 1916		Ottawa, Ont.	Translator..	House of Commons.
White, Michael S..	IIB	1,300	Oct. 1, 1916	Jan. 27, 1917	Ottawa, Ont.	Translator..	Interior.
Westervelt, Alexander P.	IB	2,400	April 1, 1917	April 10, 1917	Clarkson, Ont	Chief of Markets Intelligence Division.	Agriculture.

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TABLE No. 18.—Certificates of qualification issued by the Commission for temporary employment in the Lower Grades.

(A) From the general list of successful candidates.

(B) Nominated by the Departments and qualified by special examination.

Department	Name.	Salary.	Date of certificate.	Position.	Made permanent.	Department.
(A)						
Civil Service..	Menard, Eugene...	600 00	April 2, 1917	Messenger.		
Commission						
Justice.....	Moodie, G. Earl.....	600 00	June 25, 1917	"		
	O'Reilly, Francis.....	600 00	Aug. 1, 1917	"		
Post Office.	Ranger, Eugene.....	500 00	Sept. 9, 1916	"		
	Lajambe, Philias	500 00	Sept. 25, 1916	Sorter.....		
	Levin, Sam.....	500 00	Dec. 12, 1916	"	April 2, 1917	P. Office.
	Mooney, Alexander F	500 00	Dec. 18, 1916	"		
	Thompson, Gordon S.	500 00	Mar. 19, 1917	"	April 2, 1917	P. Office.
	Shillington, John T....	600 00	June 9, 1917	Messenger.		
	Casey, Lawrence.....	600 00	June 11, 1917	Sorter.		
	Wilson, Herbert A.	600 00	June 21, 1917	Packer.		
Public Works..	Menard, Eugene.....	500 00	Jan. 3, 1917	Messenger.		
Trade & Commerce	Dupuis, Roland..	600 00	July 25, 1917	"		
B)						
Agriculture.....	Ingram, Violet.....	500 00	Oct. 19, 1916	Sorter....		
	Fraleigh, Emma...	500 00	Nov. 6, 1916	"		
	Delaney, Thomas L....	500 00	Nov. 14, 1916	L. G. Officer		
	Johnston, Cecil M...	500 00	Nov. 21, 1916	"		
	Dives, Thomas I.....	600 00	Jan. 19, 1917	"		
	Manion, D. J. B.....	600 00	April 19, 1917	Messenger		
	Watson, Mrs. Fanny...	600 00	June 26, 1917	Sorter.....		
	Griffiths, Sydney.....	600 00	July 1, 1917	L.G. Officer		
	May, Norman C.....	600 00	July 12, 1917	"		
	Thomas, John Ellis....	600 00	July 16, 1917	"		
Interior.	Sherwood, Doris..	500 00	Sept. 2, 1916	Sorter.....		
	McStravick, Violet....	500 00	Sept. 2, 1916	"		
	Baillie, William M....	500 00	Sept. 16, 1916	Messenger.		
	Smyth, Joseph W....	500 00	Oct. 10, 1916	"		
	Reid, Garnet.....	500 00	Oct. 13, 1916	"		
	Bryan, John	500 00	Dec. 28, 1916	"		
	Mulligan, Mary J.....	500 00	Mar. 27, 1917	Sorter.....		
	Pryce, Lillian.....	600 00	April 2, 1917	"		
	Hammond, Myrtle...	600 00	April 19, 1917	"		
	Rice, David A.....	600 00	May 7, 1917	Messenger		
	Quaglia, Victor	600 00	May 14, 1917	Sorter.....		
Justice.	Kehoe, Francis J..	600 00	April 9, 1917	Messenger		
Mines..	Desormeaux, P	500 00	Feb. 7, 1917	Messenger	July 1, 1917	Mines.
Post Office.	Hudon, Emma..	500 00	Oct. 19, 1916	Sorter.....	April 1, 1917	P. Office.
	Fairbanks, Anna.....	500 00	Dec. 29, 1916	"	April 1, 1917	"
	Dorval, Lucienne.....	500 00	Feb. 15, 1917	"	May 1, 1917	"
	Carson, Eva.....	500 00	Mar. 5, 1917	"	April 1, 1917	"
	Valiquette, Mrs. Olive	500 00	Mar. 13, 1917	"		
	Rochon, Hilda.....	500 00	Mar. 19, 1917	"		
	Sherwood, Lucy B....	500 00	Mar. 27, 1917	"	July 1, 1917	P. Office.
	Bartlett, Edwin D....	500 00	Mar. 30, 1917	Messenger	April 1, 1917	"
	Lalonde, J. J. B. Antonio	600 00	April 4, 1917	Sorter.....		
	Dunne, Rose G.....	600 00	April 23, 1917	"		
	Gagne, Albert.....	600 00	April 25, 1917	Messenger		
	Kelly, Michael A.....	600 00	April 27, 1917	Sorter..		
	Sylvester, Wilfrid.....	600 00	May 15, 1917	Messenger		
	Anton, Lora J.....	600 00	May 19, 1917	Sorter.....		
	Wimperis, Charles....	600 00	May 28, 1917	Packer....		
	Cousineau, Aurore.....	600 00	June 6, 1917	Sorter..		
	Falardeau, Adelard.	600 00	June 18, 1917	Packer.....		
	Beatty, Gladys..	600 00	June 28, 1917	Sorter.....		
	Larose, Millie.....	600 00	July 10, 1917	"		
	Rogers, Agnes.....	600 00	July 12, 1917	"		
Post Office...	Calvert, Francis E...	600 00	July 19, 1917	"		
	Wesley, Mrs. E. M....	600 00	July 24, 1917	"		
	Fontaine, J. A....	600 00	Aug. 17, 1917	"		
	Cyr, Elzear.....	600 00	Aug. 22, 1917	Packer.		
Secretary of State	Wood, David.....	500 00	Dec. 5, 1916	Messenger		
	Barrette, Joseph L. E.	500 00	Dec. 5, 1916	"		

TABLE No. 19.—Persons assigned for temporary employment under the provisions of Section 18 of the Civil Service Amendment Act, 1908.

(A) Third Division.
(B) Second Division.

Name	Department	Date of certificate.	Re-employed.	Department	Made permanent.	Salary.
(A)						
Labelle, Marie J.	Agriculture	Sept. 7, 1916				
Living, Helen K.		Jan. 13, 1917				
Richer, Emeriza		Aug. 10, 1917				
Sayer, Amanda		Jan. 2, 1917				
Cody, Ella		June 25, 1917				
Beland, Beatrice		June 26, 1917				
Campbell, Hazel K.		June 28, 1917				
Reid, Eleanor D.		July 2, 1917				
Demers, Dora...		Feb. 20, 1917				
Brown, Kathleen...		July 5, 1917				
Kuhn, Olga M.		July 16, 1917				
Stewart, Claribel		June 23, 1917				
		Aug. 1, 1917				
(B)						
Abbott, W. E.	Customs	Oct. 2, 1916				
Cumming, L. R.		" 2, 1916				
Paynter, F. W.		" 2, 1916				
Meldrum, W. E.		" 6, 1916				
Brunet, Raymond...		Sept. 5, 1916				
Laishley, Wilfrid...		June 9, 1917				
(C)						
Inland Revenue	Customs	July 1, 1917				1,000
Insurance						

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Classification No. 20, Certificate of Employment for temporary employment issued by the Commission for the Civil Service Amendment Act, 1908, and Section 233 of the Civil Service Amendment Act, 1910.

(A) Third Division. (B) Second Division.

Name.	Date of certificate	Re-employed	Date of permanent	Department.	Made permanent.	Department.	Date of permanent.	Department.	Salary
(A)									
Carrier, Ernestine...	Sept. 2, 1916	1916		Agriculture					
Edmond, Sadie...	Sept. 22, 1916								
Atkinson, Catharine...	Oct. 16, 1916								
Sinclair, Mrs. Olive A...	Oct. 19, 1916								
Higgins, Helen M...	" 23, 1916								
Buchanan, William A...	" 30, 1916								
Hill, Gladys...	Nov. 8, 1916								
Hodgson, Nita...	" 9, 1916								
Bleeks, Carmen...	" 9, 1916								
Potvin, Rose...	" 9, 1916								
Spence, Dalton A...	" 11, 1916								
Law, Margaret M...	" 12, 1916								
Tierney, Nellie...	" 20, 1916								
McCarthy, Theresa...	" 20, 1916								
Bush, Marjorie E...	" 20, 1916								
Spicer, I. M...	" 20, 1916								
Crown, Mary F...	" 20, 1916								
Burke, Evelyn...	" 22, 1917								
Presley, Annie...	" 27, 1917								
Turnbull, Edna...	" 27, 1917								
Painter, Christina F...	" 28, 1917								
Boland, Florence...	" 28, 1917								
Kenny, Mahel...	" 28, 1917								
Doran, Edith M...	" 29, 1917								
Grindley, Fannie M...	" 29, 1917								
McKenna, Elizabeth...	" 29, 1917								
Dragonais, Ernest...	" 29, 1917								
Pennan, Ethel...	" 29, 1917								
Boyle, Harriett...	" 29, 1917								
Carvin, Mollic...	" 29, 1917								

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External Affairs...	Sept. 15, 1916	1916	600
Brownlee, Agnes...	Oct. 31, 1916	1916	600
Turniff, Edith...	Nov. 25, 1917	1917	600
Cowick, Kathleen...	Jan. 4, 1917	1917	600
O'Brien, Daisy F...	" 24, 1917	1917	600
Governor General's Secretary.	June 9, 1917	External Affairs...	600
Indian Affairs...	Jan. 13, 1917	Inland Revenue.	600
Inland Revenue...	July 10, 1917		600
Interior...	Aug. 16, 1917		600
Insurance .	Oct. 2, 1916		600
Insurance .	Jan. 4, 1917		600
Insurance .	May 25, 1917		600
Insurance .	Jan. 30, 1917	June 9, 1917	600
Insurance .	Feb. 14, 1917		600
Insurance .	" 26, 1917		600
Justice .	Sept. 11, 1916		600
Labour .	" 30, 1916		600
Labour .	Oct. 4, 1916		600
Labour .	Nov. 16, 1916		600
Labour .	Feb. 8, 1917		600
Labour .	Aug. 20, 1917		600
Labour .	Feb. 28, 1917		600
Labour .	Mar. 8, 1917	Mar 19, 1917	600
Mines...	April 2, 1917		600
Naval Service.	Sept. 1, 1916		600
Naval Service.	Shea, Ursula Irene.	1, 1916	500
Naval Service.	Condon, Catharine A.	5, 1916	500
Naval Service.	Steele, Hilda J...	5, 1916	500
Naval Service.	Murphy, Mary F...	5, 1916	500
Naval Service.	Doyle, Adelaide...	6, 1916	500
Naval Service.	Donaldson, James I.	7, 1916	500
Naval Service.	Graham, Olive L...	8, 1916	500
Naval Service.	Slonemsky, Pearl...	8, 1916	500
Naval Service.	Howell, Stella L...	9, 1916	500
Naval Service.	Anderson, Edna M.	25, 1916	500
Naval Service.	Alton, Kathleen...	26, 1916	500
Naval Service.	Dunne, Anna M...	6, 1916	500
Naval Service.	Locke, Bessie...	6, 1916	500
Naval Service.	Sanderson, Freda...	10, 1916	500
Naval Service.	Varrett, Joseph...	11, 1916	500
Naval Service.	Bourdeau, Conrad H...	26, 1916	500
Naval Service.	Penman, John W...	26, 1916	500
Naval Service.	Schofield, Flora...	30, 1916	500
Naval Service.	Forhan, James...	2, 1916	500
Naval Service.	Webb, Mrs. Effie...	2, 1916	500
Naval Service.	Miller, Nettie L...	3, 1916	500
Naval Service.	Robertson, Dorothy	6, 1916	500
Naval Service.	Porter, Harriett M...	9, 1916	500
Naval Service.	Argue, Ethel M...	13, 1916	500

TABLE No. 20.—Certificates of qualification issued by the Commission for temporary employment in the Third and Second Divisions under the provisions of Section 23 of the Civil Service Amendment Act, 1908, and Section 20 of the Civil Service Amendment Act, 1910.—*Continued.*

(A) Third Division. (B) Second Division.

Department	Name	Date of certificate	Re-employed	Department	Made permanent.	Department	Salary.
Naval Service	Doran, Edith M...	Nov. 30, 1916	June 12, 1917	Agriculture			
	Campbell, Annie L...	Dec. 1, 1916					
	Finlayson, Esther T...	" 4, 1916					
	Jurey, Eliane S...	" 5, 1916					
	Law, Funice L...	" 6, 1916					
	Savage, Iva...	" 6, 1916					
	Lee, Rose...	" 6, 1916					
	Erwin, Stella M...	" 11, 1916					
	Smith, Margaret M...	" 18, 1916					
	Gravel, Alyce...	" 18, 1916					
	Merkley, Alice E...	" 26, 1916					
	Ambrose, Clara V...	" 26, 1916					
	Griffin, Ida Eliza...	" 26, 1916					
	Daly, Margaret A...	" 29, 1916					
	McCann, Maisie...	" 29, 1916					
	McIntosh, Mabelle B...	" 2, 1917					
	Carey, Marie Anna...	" 2, 1917					
	Bothwell, Agnes E...	" 7, 1917					
	Wilson, Anna E...	" 15, 1917					
	Ball, Jennie L...	" 17, 1917					
	McDonell, Mrs. Oscar...	" 22, 1917					
	Chenier, Benoite...	" 22, 1917					
	Stretton, Hannah...	" 22, 1917					
	Fleming, Ella E...	" 22, 1917					
	Blyth, Mary A...	" 22, 1917					
	Latremouille, Alice...	" 22, 1917					
	Rothwell, Lina G...	" 22, 1917					
	Battle, Loretta A...	" 22, 1917					
	DesPlats, Marie E...	" 22, 1917					
	Bracken, Marguerite C...	" 24, 1917					
	Larocheille, Reine...	" 24, 1917					
	Stewart, Margaret N...	" 24, 1917					
	Guenette, Gracia...	" 25, 1917					

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Kingston, Sara G...	2, 1917	Mines...
Viau, Marie Rose...	5, 1917	Naval Service...
Laroche, Yvonne...		
Morris, Hildred G...		
Brown, Kathleen...		
Stevens, Gwendolyn L...		
O'Neil, Ella Rose...		
Singleton, Cora B...		
McMorrow, Irene...		
Marshall, Alice...		
Eggett, Edgar...		
Journal, Marie R...		
Nixon, Helen A...		
Rattray, Minnie...		
Switzer, Agnes E...		
Rozier, Ida M...		
Pomererville, Ida L. V...		
Bastedo, Katherine S...		
Gould, Florence B...		
Fixter, Harold...		
Zennett, Irene M...		
Gliddon, Claude...		
Sinclair, Mossie...		
Phillips, Helena I...		
Becker, Agnes...		
Gougeon, Genevieve...		
Duford, Cecile...		
Lally, Irene...		
McCullough, Lydia T...		
Lynch, Mary...		
Montgomery, Eva R...		
Moffatt, Ida May...		
O'Toole, Mary E...		
Saindon, Beatrice...		
Duggan, Julia M...		
Roussau, Margaret...		
Bradford, Verna...		
Rolston, Eva E...		
Cameron, Ida S...		
Munro, Margaret...		
Young, Edith G...		
Blake, Lillian...		
Dawson, Irene G...		
Sleeth, Elsie B...		
Gardiner, Mrs. Euphemia...		
Noel, Aline...		
McCrea, Gladys E...		
Evans, Robert D...		
Beehler, Theresa...		
"	26, 1917	Post Office...
"	29, 1917	
"	30, 1917	
"	31, 1917	
Feb.	1, 1917	
"	2, 1917	
"	13, 1917	
"	14, 1917	
"	16, 1917	
"	16, 1917	
Mar	2, 1917	
"	6, 1917	
"	14, 1917	
"	19, 1917	
April	2, 1917	
"	10, 1917	
"	12, 1917	
"	17, 1917	
"	25, 1917	
May	2, 1917	
"	8, 1917	
"	9, 1917	
"	14, 1917	
"	14, 1917	
"	15, 1917	
"	21, 1917	
"	25, 1917	
May	31, 1917	
"	1, 1917	
"	5, 1917	
"	7, 1917	
"	9, 1917	
"	9, 1917	
"	11, 1917	
"	11, 1917	
"	13, 1917	
"	14, 1917	
"	14, 1917	
"	16, 1917	
"	16, 1917	
"	18, 1917	
"	19, 1917	
"	20, 1917	
"	21, 1917	
"	22, 1917	
"	26, 1917	

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TABLE No. 20.—Certificates of qualification issued by the Commission for temporary employment in the Second Division under the provisions of Section 23 of the Civil Service Amendment Act, 1910.—*Continued.*

(A) Third Division. (B) Second Division.

Name.	Department.	Date of certificate.	Re-employed	Department	Made permanent.	Department	Salary
Merry, Nellie P...	Naval Service	June 26, 1917					
Boyd, Florence E...		" 27, 1917					
Annable, Helen...		" 29, 1917					
Kinch, Lyda M...		July 3, 1917					
McCarthy, Kathleen...		" 4, 1917					
Walsh, Norma E...		" 4, 1917					
Otterson, Cecilia C...		" 4, 1917					
Howe, Edith A...		" 11, 1917					
Watson, Grace O...		" 12, 1917					
Murphy, Helena M...		" 13, 1917					
Reid, Amy Claire...		" 14, 1917					
Richardson, Hilary J		" 17, 1917					
O'Donnell, Kathleen...		" 17, 1917					
Kerrigan, Anastasia...		" 17, 1917					
McNabb, Lena...		" 18, 1917					
MacGrady, Frances...		" 19, 1917					
Lyons, Margaret M...		" 23, 1917					
Groshaw, Eva...		" 23, 1917					
LeCain, Dorothy L...		" 23, 1917					
MacMartin, Hilda...		" 24, 1917					
Tierney, Anna...		" 31, 1917					
Petepiece, Lillie E...		Aug. 4, 1917					
Boyle, Harriett...		" 10, 1917					
Gleeson, Mildred...		" 10, 1917					
Lowrey, Thelma E...		" 11, 1917					
Sheridan, Catharine A		" 20, 1917					
Winters, Beatrice G...		" 23, 1917					
Lynch, Bessie...		" 23, 1917					
Smith, Marjorie...		Sept. 5, 1916					
Davis, Mary...	Post Office..	" 8, 1916					
Shea, Elmo Edward...		" 9, 1916					
Martin, Verna Dee...		" 18, 1916					
Lepage, J. deG...		" 23, 1916					
Lavergne, Ida...		" 27, 1916					
		Feb. 1, 1917	Interior.				
		Mar. 9, 1917	Auditor General				
		650					
		500					

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500

600
600

Jan. 13, 1917 Post Office...

McGovern, Eva...	Oct. 2, 1916	2, 1916	Post office
McCaffrey, Mary E...	" 5, 1916	" 5, 1916	
Paradis, Joseph E...	" 10, 1916	" 10, 1916	
Gormley, Ella T...	" 16, 1916	" 16, 1916	
Chene, Joseph E...	" 16, 1916	" 16, 1916	
Noel, Loretta M...	" 21, 1916	" 21, 1916	
Dunham, Kathleen	" 30, 1916	" 30, 1916	
Keilty, Magdaline	" 30, 1916	" 30, 1916	
Leney, Helen J...	" 30, 1916	" 30, 1916	
Trudel, Marie A. J...	" 30, 1916	" 30, 1916	
Williamson, Mary E...	Nov. 7, 1916	9, 1916	
Bouvette, Edna...	" 7, 1916	" 17, 1916	
Fletcher, Alfred E...	" 7, 1916	" 18, 1916	
Egger, Mario T...	" 7, 1916	" 18, 1916	
Liston, Ida...	" 7, 1916	" 18, 1916	
Murphy, Jessie...	" 7, 1916	" 18, 1916	
Kehoe, Frank J...	" 22, 1916	" 22, 1916	
McLennan, Allie...	" 22, 1916	" 23, 1916	
Locke, Dorothy K...	" 24, 1916	" 24, 1916	
Gilhooly, Lena...	" 25, 1916	" 25, 1916	
Seguin, Joseph F...	Dec. 4, 1916	9, 1916	
McGahey, Celestin T...	" 4, 1916	" 11, 1916	
MacDonald, Anna B...	" 4, 1916	" 11, 1916	
Prendergast, Henriette...	" 4, 1916	" 19, 1916	
Harris, Ethyl M...	" 4, 1916	" 20, 1916	
Vanasse, Claire...	" 4, 1916	" 20, 1916	
McLennan, Annie...	" 26, 1916	" 26, 1916	
Blunt, Ethel...	Jan. 7, 1917	7, 1917	
Bailey, Helen B...	" 10, 1917	10, 1917	
Dilworth, Nora...	" 31, 1917	31, 1917	
Simirle, Vesta...	" 31, 1917	31, 1917	
Briggs, Margaret H...	Feb. 3, 1917	3, 1917	
Stewart, Isabelle...	" 3, 1917	3, 1917	
McNeill, Teresa...	" 3, 1917	3, 1917	
Cochrane, Loretta...	" 3, 1917	3, 1917	
Taylor, John H...	" 6, 1917	6, 1917	
McCusker, Kathleen...	" 7, 1917	7, 1917	
Wheeler, Thomas P...	" 12, 1917	12, 1917	
Vallières, Anna...	" 21, 1917	21, 1917	
Morris, Rose...	April 2, 1917	2, 1917	
Kirby, Donald S...	" 7, 1917	7, 1917	
Powell, Fraser E...	" 7, 1917	7, 1917	
Cameron, Ida S...	" 12, 1917	12, 1917	
MacRostie, James R...	" 12, 1917	12, 1917	
Cousens, William C...	" 16, 1917	16, 1917	
Morency, Lyons J...	" 16, 1917	16, 1917	
Judson, Frank M...	" 20, 1917	20, 1917	
Cleary, Nelson W...	" 23, 1917	23, 1917	
Webster, Gladys P...	" 24, 1917	24, 1917	

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8 GEORGE V, A. 1918

TABLE No. 20.—Certifications of qualification issued by the Commission for temporary employment under the Civil Service Amendment Act, 1910.—*Continued.*

(A) Third Division. (B) Second Division.

Department.	Name.	Date of certificate.	Re-employed	Made permanent.	Department.	Name.	Date of certificate.	Re-employed	Salary.
Post Office.	(A)								
	Craig, Mildred.....	April 30, 1917							
	Taylor, Harold H....	May 3, 1917							
	Nutting, Bruce P.....	May 10, 1917							
	Dolan, William A.....	May 10, 1917							
	Thomas, Trevor	May 10, 1917							
	Bilsky, David.....	May 11, 1917							
	Whitelaw, Earl.....	May 11, 1917							
	Lally, John P.....	May 11, 1917							
	Todd, Randall.....	May 22, 1917							
	McGivern, Frederick J.....	May 31, 1917							
	Duggan, Kathleen.....	June 1, 1917							
	Slonensky, Leo.....	June 1, 1917							
	Bevriier, Alexandre A.....	June 5, 1917							
	Mathe, Paul.....	June 5, 1917							
	Kelly, Dorothy.....	June 7, 1917							
	O'Hagan, Lillian.....	June 11, 1917							
	Lawrence, Ethel E.....	June 16, 1917							
	Poitras, Aimé.....	June 26, 1917							
	Hedges, Marjorie.....	June 27, 1917							
	Champagne, Fortunat.....	June 27, 1917							
	Walsh, Ethel.....	June 29, 1917							
	Rolston, Ella G.....	July 3, 1917							
	Miller, Dorothy H.....	July 11, 1917							
	Shuttleworth, Mrs. Ellen.....	July 14, 1917							
	Winter, Margaret H.....	July 31, 1917							
	Pearl, Harold N.....	Aug. 20, 1917							
	Graham, Cora M.....	Aug. 21, 1917							
	Leveillé, Levina.....	Aug. 22, 1917							

Public Works... Railways and Canals... Secretary of State... Trade and Commerce...

Walsh, Mamon...	9, 1916	Oct. 6, 1916	June 14, 1917	Naval Service
Stewart, Katie...	12, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Lamb, Margaret F...	12, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Putman, Dorothy L...	14, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Urlong, Lillian...	19, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Galipeau, Louise...	6, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Young, Judith G...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Fitzpatrick, Ilda M...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
De Lisi, Nora A...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Pepper, Laura C...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
McNeely, Llexey...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
McEvoy, Lenore...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
McTagherty, Pearl...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Deschamps, Delicia...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
McDonald, Flora E...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
McEvoy, Maye...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Liston, Clara C...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Laflamme, Yvonne...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
Cowie, Margaret...	10, 1916	" 10, 1916	" 10, 1916	Trade and Commerce.
McAbe, Anna C...	12, 1916	" 12, 1916	" 12, 1916	Trade and Commerce.
Lewis, Charlie W...	16, 1916	" 16, 1916	" 16, 1916	Trade and Commerce.
Tomlinson, Helena R...	19, 1916	" 19, 1916	" 19, 1916	Trade and Commerce.
Mc Cormick, Mabel L...	19, 1916	" 19, 1916	" 19, 1916	Trade and Commerce.
O'Noole, Mary L...	24, 1916	" 24, 1916	" 24, 1916	Trade and Commerce.
Putzmannice, Agnes...	25, 1916	" 25, 1916	" 25, 1916	Trade and Commerce.
Menard, Hectorine...	30, 1916	" 30, 1916	" 30, 1916	Trade and Commerce.
Elvyn, Mary...	31, 1916	" 31, 1916	" 31, 1916	Trade and Commerce.
McIntosh, Violet...	3, 1916	" 3, 1916	" 3, 1916	Trade and Commerce.
Cunning, Bertha E...	4, 1916	" 4, 1916	" 4, 1916	Trade and Commerce.
Lawrence, Ethel L...	7, 1916	" 7, 1916	" 7, 1916	Trade and Commerce.
Halton, Chrisie...	8, 1916	" 8, 1916	" 8, 1916	Trade and Commerce.
Sauvage, Dora M...	17, 1916	" 17, 1916	" 17, 1916	Trade and Commerce.
Craig, Pearle L...	18, 1916	" 18, 1916	" 18, 1916	Trade and Commerce.
Breen, Clara...	20, 1916	" 20, 1916	" 20, 1916	Trade and Commerce.
Reinhardt, Mercedes...	20, 1916	" 20, 1916	" 20, 1916	Trade and Commerce.
Tenant, Mrs. Mary M...	21, 1916	" 21, 1916	" 21, 1916	Trade and Commerce.
Gillis, Katherine...	23, 1917	" 23, 1917	" 23, 1917	Post Office.
Walton, Edna L...	23, 1917	" 23, 1917	" 23, 1917	Post Office.
Field, Lewis L...	23, 1917	" 23, 1917	" 23, 1917	Post Office.
Garvin, Nellie R...	23, 1917	" 23, 1917	" 23, 1917	Post Office.
McDonald, Theresa...	23, 1917	" 23, 1917	" 23, 1917	Post Office.
May, Gladys L...	23, 1917	" 23, 1917	" 23, 1917	Post Office.
Cross, Dora E...	23, 1917	" 23, 1917	" 23, 1917	Post Office.
McElroy, Lottie M...	27, 1917	" 27, 1917	" 27, 1917	Post Office.
Kell, Esther...	27, 1917	" 27, 1917	" 27, 1917	Post Office.
Taggart, Doreene...	30, 1917	" 30, 1917	" 30, 1917	Post Office.
Allen, Vera Greig...	5, 1917	" 5, 1917	" 5, 1917	Post Office.
Halliday, Helen C...	8, 1917	" 8, 1917	" 8, 1917	Post Office.
McMurphy, Elizabeth...	1, 1917	" 1, 1917	" 1, 1917	Post Office.

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TABLE No. 20.—Certificates of qualification issued by the Commission for temporary employment in the Third and Second Divisions under the provisions of Section 23 of the Civil Service Amendment Act, 1908, and Section 20 of the Civil Service Amendment Act, 1910.—*Concluded.*

(A) Third Division. (B) Second Division.

Department.	Name.	Date of certificate.	Re-employed		Made permanent.	Department.	Salary.
			Department	Re-employed			
(A)							
Trade and Commerce	O'Connor, Winifred	Jun. 5, 1917					
	Evans, Gertrude B...	" 5, 1917					
	Lane, Jennie V...	July 11, 1917					
	Belsher, Annie F...	" 12, 1917					
	Stewart, Mabel	" 12, 1917					
	Beach, Grace Lillian	" 12, 1917					
	Sherin, Alice F...	" 14, 1917					
	Moffatt, Hazelle E...	" 16, 1917					
	Downing, Mervy M...	" 16, 1917					
	Gélinas, Thoedora	" 17, 1917					
	Bradley, Jessie M...	" 18, 1917					
	Troy, Lela M...	" 22, 1917					
	Levine, Sarah...	" 31, 1917					
	Owrid, Lillian	Aug. 1, 1917					
	Thompson, Mary W...	" 2, 1917					
	Casey, Teresa	" 18, 1917					
(B)							
Finance	Renwick, Lewis	July 2, 1917					
Public Works	Savignac, Joseph A...	Oct. 23, 1916					
	Farmer, Alfred S...	Dec. 16, 1916					

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TABLE No. 21.—Certificates of qualification issued by the Commission for temporary employment in the Third and Second Divisions, under the provisions of Sections 23 and 33 of the Civil Service Amendment Act, 1908.

(A) Third Division. (B) Second Division.

Department.	Name.	Date of certificate.	Salary.	Position.
(A)				
Agriculture	Evans, Gertrude B....	Nov. 2, 1916	720	Clerk.
	McNeely, Elexey.....	" 2, 1916	720	"
	Omond, Mrs. Olga H.....	" 2, 1916	720	"
	Govan, Margaret L.....	Dec. 11, 1916	720	"
	Selwyn, Harley.....	" 13, 1916	700	Stenographer.
Inland Revenue...	Nathanson, Joseph N.....	May 18, 1917	800	Clerk.
	Beaulne, Mrs. Lou.....	Sept. 26, 1916	800	Stenographer.
	Mirsky, Sam.....	Dec. 8, 1916	700	Clerk.
	Gordon, Marie V.....	Mar. 17, 1917	600	Stenographer.
Insurance.....	Palmer, Gertrude L.....	July 16, 1917	800	Clerk.
Justice.....	Brouillette, Mrs. Laura L.....	Oct. 10, 1916	800	Stenographer.
Mines	Cornett, Mrs. Jean	Nov. 9, 1916	600	Clerk.
Naval Service.....	Groves, Edmund.....	Dec. 11, 1916	800	"
Trade and Commerce	Allen, William A....	April 17, 1917	600	Clerk.
	Snider, Pearl, L	May 22, 1917	700	"
(B)				
Agriculture.	O'Sullivan, Adrienne M.....	Nov. 2, 1916	900	Clerk.
	O'Gorman, Elizabeth E.....	" 2, 1916	900	"
	Eby, Elizabeth V.....	" 2, 1916	900	"
	Hulburd, Ethel E.....	" 14, 1916	900	"
	Cochrane, Lilyan L.....	" 15, 1916	900	"
	Mulvaugh, Laura J.....	Dec. 1, 1916	900	"
Finance.....	Cliffe, Gilbert C	June 11, 1917	1,300	Clerk.
Inland Revenue...	Gunton, John A.....	Jan. 12, 1917	1,300	Ass't. Analyst.
	Hill, William H.....	" 12, 1917	1,300	"
	Grattan, George E.....	" 15, 1917	1,300	"
	Lye, Ossian G.....	Feb. 10, 1917	1,300	"
Interior....	Johnson, Lawrence E.....	July 16, 1917	1,300	"
	Gauley, Robert J. P.....	Oct. 1, 1916	1,200	Technical Clerk.
	Byrne, John H.....	Dec. 18, 1916	1,300	"
	Timm, Hannah E....	May 9, 1917	1,300	"
	Hooper, Benjamin R..	June 5, 1917	1,300	"
	Henshaw, Joseph B.....	July 3, 1917	1,200	Clerk.
Mines	Goulding, James.....	" 9, 1917	1,200	"
	Forman, John H.....	May 14, 1917	1,200	Ass't. Chemist.
	Mohr, Clifford B.....	" 21, 1917	1,200	"
	Rivier, Charles E.....	June 1, 1917	1,300	Translator.
	Graham, Walter F.....	Aug. 15, 1917	1,200	Ass't Chemist.
	Coyne, Benedict P.....	" 20, 1917	1,200	"
	Hardy, Thomas W.....	" 20, 1917	1,500	"
Naval Service.....	Connor, William H.....	June 22, 1917	1,000	Clerk.
	Wakely, John W.....	" 23, 1917	1,000	"

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TABLE No. 22.—Certificates of qualification for promotion issued by the Commission.

Department.	Name.	From.	To	Date of Certificate.
Agriculture.	Strachan, Esther F.	Sub-div. B of 3rd Div.	Sub-div. A of 3rd Div.	Jan. 16, 1917
	Wetmore, Marion L.	" B " 3rd "	" A " 3rd "	" 16, 1917
Auditor General.	Lawlor, A. Margaret.	" B " 3rd "	" A " 3rd "	Oct. 3, 1916
	Raitt, Jean M.	" B " 3rd "	" A " 3rd "	Feb. 10, 1917
	Stockton, E. E.	" B " 1st "	" A " 1st "	July 11, 1917
	Tribble, J. N.	" A " 2nd "	" B " 1st "	" 11, 1917
	McDonald, P. D.	" A " 2nd "	" B " 1st "	" 11, 1917
Civil Service Commission.	Paynter, William J.	" B " 3rd "	" A " 3rd "	Feb. 6, 1917
Commission of Conservation.	Beaulieu, Alice.	" B " 3rd "	" A " 3rd "	July 12, 1917
	McElroy, Kathleen.	" B " 3rd "	" A " 3rd "	" 12, 1917
Customs.	Bennet, Miss M. M.	" B " 3rd "	" A " 3rd "	Nov. 28, 1916
	Howard, H. A.	" B " 3rd "	" A " 3rd "	" 28, 1916
External Affairs.	Green, A. E.	" B " 3rd "	" A " 3rd "	Feb. 12, 1917
	Baker, F. M.	" B " 1st "	" A " 1st "	" 16, 1917
	White, William.	" B " 3rd "	" A " 3rd "	April 27, 1917
Finance.	Yetts, Charles N.	" B " 3rd "	" A " 3rd "	Jan. 16, 1917
	Fetterly, Miss E. S.	" B " 3rd "	" A " 3rd "	May 16, 1917
	Brodie, Miss C. E.	" B " 3rd "	" A " 3rd "	" 16, 1917
	Shore, Miss S. G.	" B " 3rd "	" A " 3rd "	" 16, 1917
	Shearman, Miss G.	" B " 3rd "	" A " 3rd "	" 16, 1917
	Loughran, Miss G. D. M.	" B " 3rd "	" A " 3rd "	" 16, 1917
	Cameron, Miss J.	" B " 3rd "	" A " 3rd "	" 16, 1917
	Cohoon, L. B.	" A " 2nd "	" B " 1st "	June 20, 1917
	Macfarlane, James G.	" A " 2nd "	" B " 1st "	" 20, 1917
	Artz, G. J.	" A " 2nd "	" B " 1st "	" 20, 1917
	Gullock, G. L.	" B " 2nd "	" A " 2nd "	" 20, 1917
	McIntyre, B. G.	" B " 2nd "	" A " 2nd "	" 20, 1917
Governor General's Secretary.	Walker, J. R. Mills.	" B " 2nd "	" A " 2nd "	Mar. 6, 1917
House of Commons.	Desaulniers, D. L.	" B " 1st "	" A " 1st "	Feb. 5, 1917
Indian Affairs.	Graham, Hugh	" A " 3rd "	" B " 2nd "	June 23, 1917
Inland Revenue.	Lemay, Arthur.	" A " 2nd "	" B " 1st "	Nov. 1, 1916
	Roy, L. G.	" A " 2nd "	" B " 1st "	Jan. 23, 1917
	Allen, A. T.	" B " 2nd "	" A " 2nd "	" 23, 1917
	Teevens, L. P.	" B " 2nd "	" A " 2nd "	" 23, 1917
	Westman, Leroy E.	" B " 2nd "	" A " 2nd "	Feb. 27, 1917
Interior.	Cameron, Mary.	" B " 3rd "	" A " 3rd "	Oct. 3, 1916
	Roger, William C.	" B " 2nd "	" A " 2nd "	Nov. 3, 1916
	Bazinet, Odilon G.	" B " 3rd "	" A " 3rd "	Dec. 1, 1916
	McClymont, Percy J. I.	" B " 2nd "	" A " 2nd "	Jan. 16, 1917
	Renault, Joseph F.	" B " 3rd "	" A " 3rd "	May 3, 1917
	Story, Alice A.	" B " 3rd "	" A " 3rd "	" 12, 1917
	Turner, William J. L.	" B " 3rd "	" A " 3rd "	" 15, 1917
	Daly, P. J.	" A " 3rd "	" B " 2nd "	June 23, 1917
	Hutton, W. H.	" A " 3rd "	" B " 2nd "	" 23, 1917
	Edey, R. K.	" B " 3rd "	" A " 3rd "	" 28, 1917
	Leahy, Frank J.	" B " 3rd "	" A " 3rd "	" 28, 1917
	Bedard, Beulah.	" B " 3rd "	" A " 3rd "	" 28, 1917
	King, Mary C.	" B " 3rd "	" A " 3rd "	" 28, 1917
	Rollins, William T.	" A " 2nd "	" B " 1st "	" 29, 1917
	Plaxton, C. P.	" A " 2nd "	" B " 1st "	May 16, 1917
	Matté, G.	" B " 2nd "	" A " 2nd "	" 16, 1917
Labour.	Stewart, Bryce M.	Sub-div. A of 2nd Div.	Sub-div. B of 1st Div.	Oct. 20, 1916
	Stewart, Bryce M.	" B " 1st "	" A " 1st "	June 21, 1917
Marine.	Roy, R.	" A " 2nd "	" B " 1st "	Sept. 28, 1916
	Lucas, H. L.	" B " 2nd "	" A " 2nd "	" 28, 1916
	Rowan, J. T.	" B " 2nd "	" A " 2nd "	" 28, 1916
	Hamel, A. J.	" B " 2nd "	" A " 2nd "	" 28, 1916
	Lidge, V. J.	" B " 2nd "	" A " 2nd "	" 28, 1916
	Treanor, W. C.	" A " 2nd "	" B " 1st "	Oct. 28, 1916
	Thompson, Mabel B.	" B " 3rd "	" A " 3rd "	Nov. 6, 1916
	Breen, J. A.	" B " 3rd "	" A " 3rd "	" 24, 1916
	Lanthier, Mary E.	" B " 3rd "	" A " 3rd "	" 24, 1916

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TABLE No. 22.—Certificates of qualification for promotion issued by the Commission—*Continued.*

Department.	Name.	From.	To.	Date of certificate.
Marine	McCullough, Evelyn..	Sub-div. B of 3rd Div.	Sub-div. A of 3rd Div.	Mar. 24, 1916
	Tremain, A. de B..	" B " 1st "	" A " 1st "	April 14, 1917
	McClenaghan, J. E...	" B " 1st "	" A " 1st "	" 14, 1917
	Hawken, H. E. A.	" B " 1st "	" A " 1st "	" 14, 1917
	McDonnell, F....	" B " 1st "	" A " 1st "	" 14, 1917
	Quinn, W. J.	" A " 2nd "	" B " 1st "	" 14, 1917
	Dame, A. H.	" B " 2nd "	" A " 2nd "	" 14, 1917
	O'Malley, J. R....	" B " 3rd "	" A " 3rd "	May 8, 1917
Militia and Defence..	Fairweather, Winnie	" B " 3rd "	" A " 3rd "	June 13, 1917
	Usher, Louise M....	" B " 3rd "	" A " 3rd "	Jan. 1, 1917
	Eligh, Sarah E.....	" B " 3rd "	" A " 3rd "	" 1, 1917
	Burke, Miss M..	" B " 3rd "	" A " 3rd "	April 28, 1917
	Beard, Frank...	" B " 1st "	" A " 1st "	May 11, 1917
	Watterson, A. E....	" A " 2nd "	" B " 1st "	" 11, 1917
Mines.....	Maple, H. E.....	" B " 2nd "	" A " 2nd "	" 11, 1917
	Bolton, L. L.	" A " 2nd "	" B " 1st "	Oct. 16, 1916
	Macoun, James M.	" B " 1st "	" A " 1st "	Mar. 2, 1917
	Rose, Bruce..	" A " 2nd "	" B " 1st "	" 2, 1917
	Hayes, A. O....	" A " 2nd "	" B " 1st "	" 2, 1917
	Mackay, B. R.	" A " 2nd "	" B " 1st "	" 2, 1917
	Poitevin, Eugene....	" B " 2nd "	" A " 2nd "	" 2, 1917
	Bleakney, Eilleen.	" B " 3rd "	" A " 3rd "	" 2, 1917
	Moffat, Anna V....	" B " 3rd "	" A " 3rd "	" 2, 1917
	Salt, Lillian A....	" B " 3rd "	" A " 3rd "	" 2, 1917
	De Schmid, Hugh S..	" A " 2nd "	" B " 1st "	" 2, 1917
	Cole, L. Heber....	" A " 2nd "	" B " 1st "	" 2, 1917
	Leverin, H. A.	" A " 2nd "	" B " 1st "	" 2, 1917
Naval Service..	Robinson, A. H. A....	" A " 2nd "	" B " 1st "	April 7, 1917
	LeBlanc, Joseph O..	" B " 2nd "	" A " 2nd "	Oct. 12, 1916
	Lyon, Mary C.....	" B " 3rd "	" A " 3rd "	" 14, 1916
	White, Edith.....	" B " 3rd "	" A " 3rd "	" 14, 1916
	Lacombe, Arthur....	" B " 3rd "	" A " 3rd "	" 14, 1916
	Fairbairn, Helen....	" B " 3rd "	" A " 3rd "	June 12, 1917
	McVeigh, Thomas F..	" A " 2nd "	" B " 1st "	" 29, 1917
	Rush, W. A....	" A " 2nd "	" B " 1st "	" 29, 1917
Post Office.....	Finlayson, Alex. C..	" A " 2nd "	" B " 1st "	" 30, 1917
	Arkley, Miss H. P..	" B " 3rd "	" A " 3rd "	Oct. 30, 1916
	Brown, Miss A. C...	" B " 3rd "	" A " 3rd "	" 30, 1916
	O'Hagan, A. W. S...	" B " 3rd "	" A " 3rd "	" 30, 1916
	Price, Miss E. A....	" B " 3rd "	" A " 3rd "	" 30, 1916
	Bégin, Pierre.....	" B " 3rd "	" A " 3rd "	" 30, 1916
	Denison, Miss O. E..	" B " 3rd "	" A " 3rd "	" 30, 1916
	Barrett, J. T..	" B " 3rd "	" A " 3rd "	" 30, 1916
	Sheppard, Miss M. E..	" B " 3rd "	" A " 3rd "	" 30, 1916
	Hayes, Miss J. M....	" B " 3rd "	" A " 3rd "	" 30, 1916
	Bailey, Miss E. H	" B " 3rd "	" A " 3rd "	" 30, 1916
	Whelan, George.....	" B " 3rd "	" A " 3rd "	" 30, 1916
	Moss, Miss M. L....	" B " 3rd "	" A " 3rd "	" 30, 1916
	Thoburn, Miss M. E..	" B " 3rd "	" A " 3rd "	" 30, 1916
	McIntosh, Miss M. C.	" B " 3rd "	" A " 3rd "	" 30, 1916
	McIntosh, Miss I. A..	" B " 3rd "	" A " 3rd "	" 30, 1916
	Crowder, Miss E. A..	" B " 3rd "	" A " 3rd "	" 30, 1916
	Hornidge, R. F.....	" B " 3rd "	" A " 3rd "	" 30, 1916
	Morris, E. T..	" B " 3rd "	" A " 3rd "	" 30, 1916
	Barry, N. T.....	" B " 3rd "	" A " 3rd "	" 30, 1916
	Horsley, Miss M. B..	" B " 3rd "	" A " 3rd "	" 30, 1916
	Stewart, Mary.....	" B " 3rd "	" A " 3rd "	" 30, 1916
	O'Dempsey, J. A....	" B " 3rd "	" A " 3rd "	" 30, 1916
	Hill, G. A. L.....	" B " 3rd "	" A " 3rd "	" 30, 1916
	McEachern, W. C....	" B " 2nd "	" A " 2nd "	Nov. 25, 1916
	Fairweather, J. H...	" B " 1st "	" A " 1st "	Jan. 19, 1917
	Macneill, Grace.....	" B " 3rd "	" A " 3rd "	" 19, 1917
Privy Council.....	May, O.....	" A " 3rd "	" B " 2nd "	June 23, 1917
Public Archives....	Boyce, J. F.....	" A " 2nd "	" B " 1st "	Aug. 31, 1917
	*Kenny, J. F.....	" A " 2nd "	" B " 1st "	April 13, 1916
	Shortt, George E....	" B " 2nd "	" A " 2nd "	May 29, 1917

*Omitted from Report of 1915-1916.

8 GEORGE V, A. 1918

TABLE No. 22.—Certificates of qualification for promotion issued by the Commission—*Concluded.*

Department.	Name.	From.	To.	Date of certificate.
Public Works.....	Viens, E.....	Sub-div. A of 2nd Div.	Sub-div. B of 1st Div.	Oct. 14, 1916
	Evans, John E.	" B " 3rd "	" A " 3rd "	" 28, 1916
	Mackay, C. S. A.....	" A " 2nd "	" B " 1st "	Nov. 22, 1916
	Thivierge, J. O	" B " 2nd "	" A " 2nd "	" 28, 1916
	Dawson, H. F.....	" B " 2nd "	" A " 2nd "	" 28, 1916
	Hennessey, George F.	" A " 2nd "	" B " 1st "	Dec. 15, 1916
	Plunkett, Florence..	" B " 3rd "	" A " 3rd "	Jan. 16, 1917
	Ross, Frank W...	" B " 2nd "	" A " 2nd "	May 16, 1917
	Allen, Miss M. K.....	" B " 3rd "	" A " 3rd "	June 19, 1917
Railways & Canals.	Lyons, James.....	" B " 3rd "	" A " 3rd "	Dec. 5, 1916
	Bogart, Miss L. B...	" B " 3rd "	" A " 3rd "	Mar. 6, 1917
	Puglsey, J. W	" B " 1st "	" A " 1st "	May 3, 1917
	Mathie, Andrew H..	" B " 3rd "	" A " 3rd "	" 8, 1917
	Greenway, William J..	" B " 3rd "	" A " 3rd "	" 8, 1917
Royal North West Mounted Police....	Hann, G. T.....	" B " 2nd "	" A " 2nd "	Mar. 6, 1917
Secretary of State	Jerome, Miss M. A. P.	" B " 3rd "	" A " 3rd "	April 16, 1917
Trade and Com- merce	Archer, W. A.	" B " 3rd "	" A " 3rd "	Oct. 20, 1916
	Dumouchel, Corinne..	" B " 3rd "	" A " 3rd "	Feb. 23, 1917

8 GEORGE V

SESSIONAL PAPER No. 31

A. 1918

EXAMINATION PAPERS

REGULAR EXAMINATIONS.

(1) Preliminary Examination for the Outside Service, November, 1916.

ARITHMETIC.

Time: $1\frac{1}{2}$ hours.

NOTE.—No marks will be allowed unless the full work is shown and the answer is correct.

Values.

9 1. Write in words: 600017; 29007763; 8293050000.

6 2. Write in figures: Nine million seven hundred thousand and seven; Forty-three billion ninety million five thousand six hundred and twenty-five.

17 3. Add: 37889; 6976; 78749; 35986; 73887; 878; 30957; 89852; 77786; 3699; 89994; 7983.

17 4. Multiply 3968007549 by 90785.

17 5. Divide 382579167893 by 6973.

17 6. A grocer bought 20 cases of eggs, each containing 30 dozen, at 27 cents a dozen. He paid 19 cents a case to have the eggs shipped to him. He sold them at a total gain of \$23.00. What price per dozen did he charge, if there were $\frac{1}{2}$ dozen unsaleable eggs in each case?

17 7. The exports of Canadian produce for May, 1915, and May, 1916, are given in the table below.

(a) What was the total for May, 1915?

(b) What was the total for May, 1916?

(c) By how much did the total for May, 1916, exceed the total for May, 1915?

Canadian Produce.	May, 1915.	May, 1916.
Animal Produce.....	\$ 76,033,299	\$107,482,272
Agricultural Products....	135,374,932	299,035,751
The Mine.....	52,604,187	68,727,974
The Fisheries.....	19,953,656	23,103,465
The Forest.....	42,896,032	52,316,834
Manufactures.....	104,589,832	261,999,746
Miscellaneous.....	980,567	7,917,394

SPELLING AND DICTATION.

SPELLING.

Time: 30 minutes.

NOTE.—Copy the following, correcting the errors in spelling; 3 marks will be deducted for every misspelled word in your copy.

Value—50.

He was a man of grate forse of charactar, unflinching currage, much wurldly shreudness, with a bisness fakulty allmost amounting to genious. At one perriod, his time was ingrossed buy evere and continuous labor, ocassioned by the organising and konduktng of his noomeroous manufactories, sumtimes from fore in the morning till nine at knight. At fifty years of aje he set to work to lern english grammar and emprove himself in writing and in speling. After over-cumming every obstikle, he had the satisfakshun of reeping the reward of his interprize. He died in 1792. Be it fur good or fur eval, he was the founder in England of the modren factory sistem, a branch of endustry which has onquestionably prooved a sourse of emmence welth to endeviduals and to the nation.

He establisht noo mills, and the amount and the excellance of his produkts were such that in a short tyme he obtaned so compleat a kontrol of the trade, that he guverned the mane opperashuns of the other cottun spinners.

DICTATION.

Time: 30 minutes.

NOTE.—This paper should not be seen by the candidates. The Examiner will read over the whole extract once, and then reread it slowly and distinctly, indicating to the candidates the occurrence of each full stop. A third reading of the whole extract may be given if sufficient time remains. The whole time occupied should not be more than half an hour.

Value—50.

I turn now to see the satisfaction which comes from physical exertion, including brain-work. Everybody knows some form of activity which gives him satisfaction. It may be riding on a horse, or rowing a boat, or climbing a mountain, or tramping all day through woods or along beaches with a gun on the shoulder, or again it may be moulding a mass of white-hot metal in the glow of a furnace, or wrestling with the handles of a plunging, staggering plough, or tugging at a boat's tiller when the breeze is fresh, or bringing hay in before the shower.

There is real pleasure and exhilaration in bodily exertion, particularly with companionship either of men or animals, and competition. There is pleasure in the exertion even when it is pushed to the point of fatigue, as many a sportsman knows, and this pleasure is, in good measure, independent of the attainment of any practical end. There is pleasure in mere struggle, so it be not hopeless, and in overcoming resistance, obstacles, and hardships.

SESSIONAL PAPER No. 31

WRITING.

Time: 30 minutes.

Value—100.

Copy the following extract:—

The waterways of Canada are one of the most remarkable of its geographical features. East of the Rocky Mountains, the southern part of the Dominion slopes to the north-east toward Hudson Bay; and the rivers in the south flow eastward. Thus, the Saskatchewan River, with its northern and southern branches, flows eastward into Lake Winnipeg, and thence northward by the Nelson River into Hudson Bay. On the north, the Great Plain has a northerly slope, and the Mackenzie River, with its tributaries, the Slave, Liard, Athabaska and Peace Rivers, flows into the Arctic Ocean. The Mackenzie, exclusive of its tributaries, but including the Slave, Peace and Finlay Rivers, has a total length of 2,525 miles. The Yukon River in the Yukon Territory also flows northward, passing through Alaska into Behring Strait after a course of 2,300 miles. In British Columbia, the Fraser, Columbia, Skeena and Stikine Rivers flow into the Pacific Ocean.

(2) Qualifying Examination for the Outside Service, November, 1916.

ARITHMETIC.

Time: $2\frac{1}{2}$ hours.

NOTE.—The first *four* questions and any *seven* from the remaining eight constitute a full paper.

Values.

12 1. Multiply 882.876 by 3371.55, and divide the product by the difference between 8340.20 and 7838.79.

6 2. Simplify $\frac{7\frac{1}{2}}{6\frac{2}{3}} + \left(\frac{11\frac{1}{2}}{11\frac{1}{2}} - \frac{2\frac{2}{5}}{2\frac{2}{5}} \times 10\frac{9}{13} \right) = 7\frac{1}{8}$.

6 3. Simplify $(64.3 + 7.94 - .615) \div 5.73$.

6 4. Add 6278548; 5876394; 8967357; 2863876; 4976849; 9678438.

10 5. For what amount should a 90-day note be drawn so that when discounted at a bank at 7% per annum, it may produce \$716.98?

10 6. What was the value when due of the following note?

\$200.00

OTTAWA, May 15, 1916.

Two months after date I promise to pay E. V. Colville, or order, the sum of two hundred dollars with interest at 8 per cent per annum. Value received.

J. M. PETERS.

10 7. During the first year a man increased his fortune by $\frac{2}{7}$ of its value, during the second year by $\frac{4}{11}$ of this increased value, and during the third year by $\frac{2}{5}$ of its new value. It then amounted to \$24300. What was its value at first?

10 8. To what sum will \$3000 amount in five years at 6% per annum, compound interest?

10 9. A person has \$205 in 50c. and 25c. pieces. Find the number of each, if there are 460 of both.

10 10. Find the marked price of goods which cost \$34 so that the dealer may make a gain of 20% on cost after giving a discount of 15% off his marked price.

10 11. 240 lbs. of flour at 4c. a lb. were mixed with 360 lbs. at 6c. a lb. How many pounds of each kind are there in \$10.40 worth of the mixture?

10 12. How many pounds of chicory at 12c. a pound must be mixed with 80 pounds of coffee at 30c. a pound to make a mixture worth 20c. a pound?

COMPOSITION.

Time: $2\frac{1}{2}$ hours.

Value—100.

1. Write a composition of about 250 words on one of the following subjects:—

- (a) The greatness of Shakespeare.
- (b) The Value of a Good Education.
- (c) The Crops of 1916 in Canada.
- (d) "No one gets something for nothing."
- (e) Some Duties of a Citizen.

2. Condense into about 200 words the gist of the following passage. Give your answer in well-constructed sentences, preserving all the essential points.

This question of winter steam communication is of great importance to the people of Prince Edward Island. The prospect of obtaining it was one great reason why the people of the Island consented to Confederation. That was well understood by the people of the Island at the time of Union, and it is better understood to-day. Owing to the peculiar situation of the Island, to her insular position, and to the fact that for five months of the year her coasts are completely surrounded with ice, she could not derive any benefits from Confederation. The people of the Island were aware that the Dominion was pledged to the construction of public works of great magnitude, such as the opening of canals, the building of railways, and other work of a similar nature. They also knew that, on becoming a part of the Dominion of Canada, they would be compelled to contribute their share for the construction of those works, and unless means of communication bringing them in connection with the railway system of the Dominion, winter and summer, were secured to them, they would not be in a position to participate in the benefits which would accrue to the rest of the Dominion by the construction of these works. They, therefore, have it expressly stipulated in the terms of Confederation, that efficient steam communication, winter and summer, should be maintained by the Dominion Government for the conveyance of mails and passengers to and from the Island. Now, let us consider for one moment how this part of the compact has been carried out. We find that for the first two years after Confederation nothing at all was done towards fulfilling this part of the contract, so far as the winter season was concerned. In the year 1876, the Government, recognizing the rights of the Island in this matter, placed the now famous *Northern Light* upon the route between Georgetown and Pictou. I am not going to say anything disparaging of the *Northern Light*. She was built expressly for the purpose of testing the practicability of navigating the Straits in midwinter. She was merely placed there as an experiment, and, if she has not come up to the expectations of those who took an interest in her, she has not altogether proved a failure. She has at intervals succeeded in effecting a crossing, sometimes making her trips with considerable regularity, and sometimes being for a whole week at a time locked in the ice, being unable to move in any direction. She has, however, been successful to a certain extent, and her operations have been of great benefit to those engaged in trade, as they have been enabled to receive consignments of goods that they otherwise would have to do without till spring. With regard to the carriage of mails and passengers, which is, after all, the main feature of this affair, and which is the only part of the original compact that we can insist upon having carried out, her operations have been most unsatisfactory. Even during the present winter, which has been one of the most successful seasons, it was found necessary, about the middle of January, to take the mails away from her and have them

8 GEORGE V, A. 1918

forwarded by the only route by means of which communication can be kept up with the outside world in midwinter—the Capes route. Capes Traverse and Tormentine are only separated by a strait of some nine miles in width, and experience has shown, after many attempts at other points, that this is the route which must be adopted for our winter mail service. Such being the fact, it becomes the duty of the Government to so improve this route as to make it as perfect as possible, and all their energies and means should be concentrated on this one point. At present, the crossing is effected by use of the small ice-boats, as it was before Confederation. I need not refer to the difficulties and hardships experienced by the brave and hardy men who have to perform this service, who are called upon in the middle of our severe winters to risk their lives in the public interest. They have been most successful in performing this duty, and, owing to their skill and ability, we are enabled to receive our mails with some degree of regularity. But the great difficulty they have to contend with is not the ice, but open water, when high winds prevail, and they have been frequently compelled to return on account of open water, without being able to effect a crossing. It is believed by parties who are competent to judge in this matter, that a small steamboat to supplement the ice-boats would perfect this service, so far as the crossing is concerned. The only thing then required to render this service complete would be to connect this ferry with the Inter-colonial and Prince Edward Island Railways. This would necessitate the construction of two short lines of railway on both sides.

GEOGRAPHY.

Time: 2 hours.

NOTE.—Candidates will take Question 1 and any *five* others.

Values.

20 1. Draw an outline map of Great Britain and Ireland, and indicate with names:

- (1) the larger coast waters;
- (2) *ten* inlets which furnish good harbours;
- (3) *four* groups of islands near the coast;
- (4) *five* celebrated university centres.

16 2. Name in order *sixteen* towns or cities on the Canadian Northern Railway from Toronto to the Pacific Coast, and *sixteen* towns or cities on the Grand Trunk Railway from Detroit to Lévis.

16 3. Write a note on India, telling about its location, its size, population, climate, and principal products.

16 4. Explain how it is that events happening in France in the afternoon may be reported in Canada in the forenoon of the same day. At what time of the day can the same events be first reported in India, in South Africa, in Australia?

16 5. Write a short note on any *four* of the following Canadian products, telling definitely from what part of Canada they come, and to what part of the world they are shipped: nickel, mica, asbestos, carborundum, graphite. Does Canada hold a peculiar place as a producer of any of these?

16 6. Indicate the course of each of the following rivers; describe the nature of the country drained by it, also its usefulness to man as a means of navigation or of power development: Red, Grand, Richelieu, Ohio, Hudson, Columbia.

16 7. What natural or artificial advantages have assisted in the growth of each of the following cities: Valleyfield, Pittsburg, Cleveland, New Westminster, Peterborough, Winnipeg, St. Louis, New York?

SESSIONAL PAPER No. 31

HISTORY.

Time: 2 hours.

NOTE.—Five questions only are to be attempted.

Value—100

1. Make a list of the chief events in the reign of Queen Anne or Queen Victoria. Write short accounts of any *three* of the events.
2. Explain the position and duties, in Early French Canada, of the following: the Seignior, the Intendant, the Bishop, the Governor. Write short sketches of *one* Governor and *one* Intendant.
3. Describe the Life of Jacques Cartier, and give an outline of his three voyages to Canada. What was their result?
4. Give the causes of the Peninsular War. Name the chief engagements, and indicate the parts played in it by (a) Sir John Moore, (b) the Duke of Wellington, (c) Napoleon.
5. What colonies had Britain in America before the Conquest of Canada in the Seven Years' War (1756-63)? Of what value were they to her? How were they lost, and who were the leaders in the struggle?
6. Locate the following Battlefields: Louisbourg, Ste. Foye, la Hogue, Balac-lava, Plassey. Describe the *first three*, telling in each case the period the war, the commanders, and the results to the nations engaged. Give details for each battle.
7. Write notes on: Turgot, Danton, Voltaire; or Write notes on: the Coureurs des Bois; Jesuits in Canada; the Siege of Delhi; Why 1867 is an important date in Canadian History.

SPELLING AND DICTATION.

SPELLING.

Time: 30 minutes.

Value—50.

NOTE.—Copy the following, correcting the errors in spelling; 5 marks will be deducted for every misspelled word in your copy.

If this is not done, what will happen? Separation, first of one part, then of another; weakness of each part and weakness all round. Think of the impetus that this would give to every force that makes for cayos among the three hundred millions over whom God in His providence has placed us. The work that the British Empire has in hand is far grander than the comparatively limited duties with which the States are content to deal. Its problems are wider and more inspiring; yet, at the same time, the white race, that alone, so far, has proved itself fit for self-government, lives by itself, instead of being mingled with a coloured race to which only nominal freedom is allowed. Any one who has lived either in South Africa or in the States will understand what a free hand and what an unspeakable leverage this gives us. We need no Force Bill to ensure us a free ballot in Britain, Canada, Australia, or New Zealand. Already our sons are taking their part in introducing civilization into Africa, under the protection of the flag, and in preserving the spirit of the Empire among the teeming millions of India and south-eastern Asia, those peoples kindred to ourselves, who for centuries before had been the prey of successive spoilers. And, in this bluddy war, the bonds of Empire have been more closely drawn together; and the Motherland has seen a new spirit of loyalty and devotion spring from her sons and daughters across the seas.

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DICTATION.

Time: 30 minutes.

Value—50.

NOTE.—This paper should not be seen by the candidates. The Examiner will read over the whole extract once, and then reread it slowly and distinctly, indicating to the candidates the occurrence of each full stop. A third reading of the whole extract may be given if sufficient time remains. The whole time occupied should not be more than half an hour.

All has passed, unregretted as unseen; or, if the apathy be ever shaken off, even for an instant, it is only by what is gross, or what is extraordinary; and yet it is not in the broad and fierce manifestations of the elemental energies, not in the clash of the hail, nor the drift of the whirlwind, that the highest characters of the sublime are developed. God is not in the earthquake, nor in the fire, but in the still, small voice.

They are but the blunt and the low faculties of our nature which can only be addressed through lamp-black and lightning. It is in quiet and subdued passages of unobtrusive majesty, the deep, and the calm, and the perpetual,—that which must be sought ere it is seen, and loved ere it is understood,—things which the angels work out for us daily, and yet vary eternally, which are never wanting, and never repeated, which are to be found always, yet each found but once; it is through these that the lesson of devotion is chiefly taught, and the blessing of beauty given.

We are too often disposed to accept the superficial instead of the real; to study results and ignore causes; to be governed by external appearance; while in reality, the value of all our experiences lies in the hidden spirit or principle which actuates them.

TRANSCRIPTION AND WRITING.

Time: 1 hour.

Value—50 for each.

The candidate is required to make a neat, clean and correct copy of the manuscript handed to him with this slip, writing out all abbreviations at full length, and correcting any misspellings. The words scored through are to be omitted, and the interlineations and the marginal and other additions are to be inserted in their proper places as indicated. All changes or corrections, other than these, *will be counted as errors*. This paper will be taken as a test of writing also.

Civil Service of Canada - Qualifying Examination
Agriculture in Canada - In speak² of

tr.
stet/

industries in England, manufactures
naturally be put 1st. In Canada,
while manufactures are ~~very~~ important,
agriculture ^{gives} ~~employment~~ a larger no. of
people than any other industry. In the
early yrs. of Canada's history, farms
was carried on only in the southeastern
port² of B. N. A. - Ont., Que., & what are

, however,
& north-west/

the Maritime Provinces. Gradually,
the country farther west, was opened up
by roads & rwy^s, & the area of agriculture
was extended widely. In the yr 1885,
when the C. P. R. was completed, ^{practically}
the whole of the north-western port² of
the Dom² was thrown open to settlement.

tr./

tr/
the forests were
cut away,

wh. all lands
occupied ^{only} sold
for a high price,

stet/

It is ^{difficult} suspect for those liv² in
Europe, to understand that some of the
best farm² land on the continent of America
is to be had almost for the ask², by any-
one who wishes to cultivate it. The
settlement of these lands is ^{heartily} encouraged
by the Govt, because a fertile soil &
great natural resources are of no ^{service} use

8/ tr/
 Of course, it is
important also to
 get a good class of
 settlers. } unless there are people there to cultivate
 & develope them. Both Canada & the
 motherland wish loyal & sturdy men
 & women to take up this land & help to
 build up a strong colony & natⁿ.

tr/ } Anyone who will cultivate the
 land in the West can get a farm
 of 160 ac. free*. He can buy land also
 fr. rwy. & other corporat^{ns} at a low figure.
 In Canada nearly all the farmers
 own their hold^g, & any capable farm
 labourer may become an owner himself.
 if he chooses to
 exert himself for
 a few yrs,

* { while in Northern Ont & Que. he
 can procure one on nominal terms,
without any cost in some instances.

(3) Competitive Examination for Positions in Subdivision B of the Third Division, Inside Service, November, 1916.

ARITHMETIC.

Time: $2\frac{1}{2}$ hours.

Value—100.

1. (a) Simplify $\frac{1}{2} \times \frac{3}{4} - \frac{1}{4}$ of $\frac{2}{3} + \frac{1}{5} \div \frac{3}{20}$.
 (b) Multiply .0256 by 1.0071, and divide the product by 2.7975.
2. A field is 80 rods long and 20 rods wide. Find the total cost of material for a tight board fence, 6 feet high, around it, if—
 (a) the posts cost 10 cents each and are placed 11 feet apart;
 (b) the boards are one inch thick and nailed to two continuous lines of scantling, 2 inches by 4 inches;
 (c) all lumber costs \$20 per M.
3. A man borrowed \$800 at 5% and paid back \$175 at the end of each year to pay the interest and reduce the principal. How much does he owe after making his third payment?
4. A farmer paid \$1.50 per bushel for his seed wheat and sowed $1\frac{3}{4}$ bushels per acre in a field 64 rods by 40 rods. His crop averaged $32\frac{1}{2}$ bushels to the acre and sold at 98 cents per bushel. Find his net gain, if his expenses for tillage and harvesting amounted to \$12.50 per acre.
5. When wheat is ground into flour, 18 per cent is lost (as bran, etc.). If the weight of bread is $133\frac{1}{3}$ per cent of the weight of flour used in making it, how many two-pound loaves can be made from the flour obtained from 20 bushels of wheat? (60 pounds of wheat make one bushel.)
6. A man invested \$5460 in 3 per cent stock at 91. He sold out 20 shares when it had risen to $93\frac{1}{2}$, and the remainder when it had fallen to 85. He invested the total proceeds in $4\frac{1}{2}$ per cent stock at 102. Find the change in his income.
7. \$260.00

OTTAWA, 27 March, 1913.

Three months after date, I promise to pay to the order of James Black the sum of Two Hundred and Sixty Dollars with interest at 6 per cent per annum, value received.

W. W. GREY.

Find the value of the foregoing note when it is legally due.

BOOK-KEEPING.

Time: $2\frac{1}{2}$ hours.

Value—100.

1. Enter in Journal or Cash-book the following:—

- (a) 1. Bills Receivable amounting to \$800 were deposited in the bank for collection.
- 2. Discounted my own note for \$1,200 at bank, and left Bills Receivable amounting to \$1,500 as collateral security. Discount charged, \$10.
- 3. Bank notifies me that \$700 of notes mentioned in 1 have been paid and the remaining \$100 note dishonoured.
- 4. Bank informs me that \$600 at the collateral notes mentioned in 2 have been paid to them, and that \$200 of these notes falling due yesterday were dishonoured. The balance have not yet matured.
- (b) Sold goods to A. Perch for \$500. Received in payment his note for \$300 at 3 months bearing interest at 6% (\$4.50) and the balance in cash. When note came due, it was taken up with a new note at 2 months for \$200 bearing interest at 6%, and the balance in cash.

2. Draw up a form of Petty Cash Book, and describe the method of keeping it. Illustrate by half a dozen entries.

3. On January 1st, 1916, H. White had a Capital of \$3,250; Merchandise, \$2,541; Cash on hand, \$43; Cash in bank, \$306; Sundry Debtors, \$1,988; Bills Receivable, \$2,622; Furniture and Fixtures, \$500; Horse and Cart, \$250. He owed Sundry Creditors \$2,144, and Bills Payable, \$2,856. The following business was done in January:—

Jan.

- 1. Bought goods from McKinley, \$940.
- 2. Sold goods to Richardson, \$310.
- 3. Issued cheque on bank to McKinley, \$340.
- 5. Sold goods to Thomas, \$1,120.
- 7. Bought goods from Drysdale, \$565.
- 10. Received cheque from Richardson and deposited, \$300. Discount allowed to Richardson, \$10.
- 12. Sold goods to Rogers, \$663.
- 13. Received note from Thomas at 3 months, \$1,120.
- 14. Bought goods from Tory, \$71.
- 17. Bought goods from Charles B., \$125.
- 19. Issued cheque to Tory, \$70. Discount allowed by Tory, \$1.
- 21. Bought from sundry creditors, goods, \$1,244.
- 22. Sold to sundry debtors, goods, \$1,099.
- 23. Received cheques from sundry debtors, \$1,344. Discount allowed to debtors, \$131. Deposited in bank, cheques, \$1,344.
- 24. Discounted note at bank, \$1,120. Discount on note, \$12. Issued cheques to sundry creditors, \$1,672. Discounts received for cash payments, \$146.

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31. Issued cheque for salaries, \$100. Issued cheque for rent, \$150. Paid cash for coal, \$10. Paid cash for gas, \$4. Stock on hand at end of period, \$3000.

4. Referring to Question 3: Supposing the horse and cart had been sold on credit to Smith for \$200, that a new horse and cart had been bought on credit from Shaw for \$350, that the rent paid (\$150) was for the three months beginning January 1st, that \$20 of the amount owing by sundry debtors was considered uncollectable, and that a fire insurance policy for one year had been taken out, to date from January 1st, the premium on which (\$60) had not been paid; make adjustments and prepare Profit and Loss Account and Balance Sheet.

COMPOSITION.

Values.

Time: $2\frac{1}{2}$ hours.

10 1. Write the application called for by the following advertisement taken from an Ottawa paper:—

WANTED—A bright young man or lady for special office work. Must be first-class stenographer. Good salary to suitable person. Apply fully to Box 151, Post Office, Ottawa.

40 2. Write a letter to a friend discussing one of the following topics. The letter should contain not less than 250 words.

Why I am proud that I am a British Subject.
The value of a course of lessons in "First Aid."

It is desirable that immigrants from the Mother Country should find homes in Canada rather than in the United States.

50 3. Write in your own words and in well-constructed sentences, a synopsis of the following passage, preserving all of the essential points. This passage is from a speech delivered in the House of Commons on Nov. 21, 1910.

I join with my honourable friend who has moved this Address in congratulating both the British Empire and the American Republic upon the splendid result which has attended the deliberations of the Hague Tribunal. In submitting this vexed question to the determination of that tribunal, these two countries have given to the world an object lesson which I hope will not be forgotten. The issue of that arbitration is very creditable indeed to both countries, and I have no hesitation whatever in publicly offering my congratulations not only to the Government, but especially to my honourable friend the Minister of Justice, for the very successful issue which has been brought about by this tribunal. On some occasions in the past it may have been that difficulties arising between the United States and Canada have led to certain differences between the great Republic to the south and the Empire of which we are proud to form a part. I trust that this is not so to-day, I believe it is not so to-day and I trust that it will not be so in the future. Here lies Canada, a great and growing nation upon this continent, surrounded by very much the same conditions, confronted by very much the same problems, of those which present themselves to the people of the United States. We are bound to the British

Empire by a loyal fealty, by a warm affection, by everything which stands for the solidarity of this Empire, but we are also closely associated with the great Republic to the south of us by a constant and increasing social and commercial intercourse, and it seems to me in that way, and for that reason, that Canada should in the future come to be a bond of amity, of friendship, between the Republic and the Empire and I hope that both governments will lend themselves to the splendid movement which looks to the celebration of a centennial of peace between the Empire and the Republic. I trust that this will be done, and I join in the aspirations of those who have said that no better or more enduring monument of that centennial of peace could be established than to make continuous and permanent at all times to come that disarmament upon the great contiguous waters of both nations which has now existed for almost a century under the Treaty of 1818. That treaty, as we are all aware, is liable to be terminated on very short notice by either of the contracting parties. I believe every man in this country would like to see that condition made more enduring and permanent. In that way this Empire and the great adjoining Republic would give to the world an object lesson which is very much needed in these days of great armaments and great preparations for war; and then we might look forward to a day which may come, and which I hope will come, when the great Republic and this great Empire, acting together in the interests of humanity and civilization, can command, and will command, the peace of the world.

GEOGRAPHY.

Time: 2 hours.

Value—100.

NOTE.—Candidates will take Question 1 and any other six.

1. Draw a map of Canada and the United States, outlining and naming: (a) the *five* great physical divisions of each, (b) the *five* chief mountain-ranges of each, and (c) the provinces and states that lie along the international boundary from the Pacific Ocean to Lake Superior.
2. Locate definitely and give in each case the leading industry of any *seven* of the following: Limerick, Paisley, Galashiels, Stoke, Bradford, Grand Mère, Trail, Summerside, and New Westminster.
3. Define, explain and give a Canadian example of each of the following: mountain-range, river-system, young valley, mature valley, drowned-valley, alluvial plain, and continental shelf.
4. By means of a sketch-map in each case, show in their proper connection, and name the rivers and lakes of the Nelson, Mackenzie, St. Lawrence, and Columbia basins, respectively.
5. What, where, and for what noted are: Bucharest, Trebizond, Piræus, Metz, Toulon, Transylvania, Trentino, Kavala, Avlona, and Dar-es-Salaam?
6. Sketch a map of the British Isles showing five chief seaports, four great manufacturing centres, three naval stations, and two leading educational centres. Indicate to which of these groups each place belongs.
7. Name and locate seven chief canals of the St. Lawrence system, and state what particular obstacle to navigation is overcome by each.
8. Name the three leading products of (a) India, (b) Egypt, (c) South Africa, (d) Newfoundland, and (e) British West Indies.

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9. (a) Draw a diagram showing the zones, their width and boundaries, and
 (b) state and explain the exact position of these boundaries and the
 exact time of the solstices and equinoxes, respectively.

HISTORY.

Time: 2 hours.

Value—100.

NOTE.—Six questions only are to attempted.

1. Give a brief account of the missions founded by the Jesuits among the Huron Indians.
2. Outline the political career of Lord Elgin in Canada.
3. Describe the circumstances under which the province in which you reside became a part of the Dominion of Canada.
4. (a) The British North America Act fixed the life of a Canadian Parliament at five years. Explain how it has come about that the Parliament which convened after the elections of September, 1911, is still a legally constituted authority.
 (b) Explain the composition of the Canadian Parliament, and show how it differs, if at all, in this respect from that of Great Britain and Ireland.
5. Name four Premiers of Canada since Confederation. Who chooses our Premier, and how is he guided in making this choice? What is a Premier's first important work after accepting appointment? Under what circumstances ought a Premier to tender his resignation?
6. (a) Write a note on the Irish Famine of 1846.
 (b) Describe briefly its political consequences.
7. Describe briefly the effect of the Napoleonic Wars on Britain's Colonial Empire.
8. Give a brief account of the industrial changes in England during the first half of the Nineteenth Century.
9. Sketch the part being played by France in the present European War.

SHORTHAND.

Value—100.

NOTE.—Both the following passages should be dictated to the candidates in a clear and distinct voice, at the rates indicated. No preliminary reading is to be given to the candidates. The bar-strokes will indicate to the reader his progress at the end of every fifteen seconds. Upon completion of the two readings, the candidates should be notified that they will be allowed one hour and a half for transcribing their shorthand notes in manuscript.

EIGHTY WORDS PER MINUTE.

The establishment of the Central Experimental Farm proved so popular throughout the country that a demand came from farmers in other parts of Canada for the establishment of farms in the different provinces. It was inconvenient for the farmers to travel to Ottawa from many different parts of the country; in addition to that, considering the great diversity of our soil and climate, the Central Farm could not carry out all the experiments that would demonstrate what was the best for all parts of the country. The Central Experimental Farm, of course, carries out many experiments of all sorts in con-

nection with the growing of crops, the production of stock, the cultivation of tobacco, the rotation of crops, and the testing of seeds. Experiments are carried out with a view to determining what varieties of grass or vegetables will do best in certain sections of the country. The Central Farm is open to the farmers of the country at all times; the correspondence which it carries on with farmers from one end of Canada to the other is, I believe, of enormous dimensions. The farms in the different provinces work along similar lines, though not on so large a scale. They are branches of the Central Farm. They make all kinds of experiments to determine what crops should be grown and how those crops can be best grown in the particular locality in which the farm in question is situated.

ONE HUNDRED WORDS PER MINUTE.

At no place on the American continent has potato growing reached as high a state of efficiency as it has along the St. John river, in the Province of New Brunswick, and across the line, in the State of Maine. I think it is the opinion of most farmers in the Maritime Provinces that spraying with Paris green is usually productive of some good. They claim that it removes the fungous growth, or what is usually called rust. When I was home, the last week in January, I discussed this matter with a gentleman who told me that he had sprayed his potato plants six or seven times during the summer. The spraying is done with a machine costing over \$100; as the machine goes along, the spray is automatically pumped under the leaves and stalks of the plant. He said that he sprayed the whole field of potatoes, with the exception of half a dozen rows, and that when he came to dig them, he had a much better yield from the half-dozen rows than he had from the rest of the field, which he had sprayed. I want to be quite fair in this matter; I will give both sides of the case. Another gentleman told me that he sprayed all but half a dozen rows, and that he got better results from the sprayed portion than from the portion which he had not sprayed; so you have evidence both ways. In my judgment, the spraying does good. But the farmer knows that; he does not need information on that subject from the inspectors or from the Department of Agriculture. Last year I did not spray the plants; but perhaps I will use the spray next year, because I think it may do some good.

SPELLING AND DICTATION.

SPELLING.

The paper set is that given on page 65.

DICTATION.

The paper set is that given on page 66.

TRANSCRIPTION AND WRITING.

Time: 1 hour.

Value—50 for each.

The candidate is required to make a neat, clean and correct copy of the manuscript handed to him with this slip, writing out all abbreviations at full length, and correcting any misspellings. The words scored through are to be omitted, and the interlineations and the marginal and other additions are to be inserted in their proper places as indicated. All changes or corrections, other than these, will be counted as errors. This paper will be taken as a test of writing also.

Civil Service of Canada - Third Div Clerkships.

of electricity / The introductⁿ into the farm³ districts
 8/ tr / of Ont. has tended to improved (greatly) the
 conditⁿ both in the farm-house & in the barn,
 & the farmer has shown ^{himself to be} fully
 alive to the ^{value} efficient of proper labour-
 sav² devices. In those places wh. it is imposs
 8/ ^{is not available} to get electricity, gasoline engines are be²
 stt / largely used, & if tractors cost² fr. \$300 to
 it is practicable / \$400 can be placed on the market, as not
 8/ planned, they will make a great diff^u
 especially tile drain², } to the farmer in the sav² of labour. On the
 land itself the farmer is becom² aware
 to the ^{necessity} need of employ² modern methods,
 & nos. of tractⁿ ditchers are at work in
 different pts. of the prov^e. The very wet
 season, while it has emphasized the need
 & the probability
 is that next yr
 will see more drain²
 (done by the farmer)
 (than ever)

} for tile drain², hindered the work a great
 deal, but, notwithstanding², a considerable
 quantity of tile was laid by hand & by machin.
 It has been fairly well proved, especially
 by the experience of this yr., that wh. farms
 have been well drained the quality of the
 crops has been improved & the quantity
 wh. has been produced has been increased
 fr. 25. to 30 %. It is very gratify²

stt /

to see how well the farm & community
 has ^{answered} responded to the call for recruits, &
 with what vigour & cheerfulness they have
 coped with the difficulties caused by the
 consequent ~~resultant~~ shortage in help. This has

tr/ been (in great measure) accomplished
 by extra work on the pt. of the farmers
 tr/ themselves. More land was given up also
 to pasture, & the use of improved
 machinery diminished the necessity
 for hired help.

8/ { both on their own farms & in giving
 8/ assistance to their neighbours

TYPEWRITING.

Value—100.

Copy the following:—

Time: 30 minutes.

OTTAWA, December 24, 1915.

Dear Sir,—For some time past I have had under consideration the question of an amendment to the Bank Act authorizing the banks to take as security for advances to farmers, liens upon cattle and certain other live stock. It would seem that such liens should be registered in order that the rights of other creditors might not be prejudiced. The question, as you know, is one which has been much canvassed at successive revisions of the Bank Act, and there has been a conflict of view as to the expediency of such legislation. As it is greatly desirable at this juncture of our affairs that production should be facilitated in every way possible, I should appreciate an early expression of your views upon the following questions:—

1. Would such legislation facilitate and lead to increased advances by your bank to the stock-raising community, and would it tend to increase production?

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2. Will there be during the coming year sufficient bank credits available for all the increased production possible to the Canadian agricultural and stock-raising community?

3. If the answer to (2) is in the negative, can you suggest any feasible plan for increasing the available bank credits for the purpose in view?

As I am exceedingly interested in the matter referred to, I shall be greatly obliged for a full and frank expression of your views.

Yours very truly,

W. T. WHITE,

Minister of Finance.

Now, let us compare the expenditures of Australia for 1911-12 with those of 1916-17. I take 1911-12 because that year marked the height of her prosperity, whilst 1916-17 finds her in the most crucial period in her history. In 1911-12, when she was abnormally prosperous, the surplus of her national debt took \$14,114,000; the estimate for 1916-17 is \$39,649,000.

	1911-12.	1916-17.
Civil Government.....	\$4,463,000	\$7,240,000
Department of Agriculture.....	1,379,000	4,263,000
Immigration.....	1,079,000	1,534,000
Pensions.....	240,000	3,365,000
Militia.....	6,868,000	5,706,000
Public Works—income.....	8,621,000	18,814,000
Public Works—capital.....	3,742,000	8,072,000
Steamship subsidies.....	1,918,000	2,963,000
Naval Service.....	256,000	2,250,000

The list gives us some striking contrasts from beginning to end. The total estimate for 1911-12 was \$132,827,000, as against \$188,981,000 for 1916-17. These figures show what a heavy burden the war has placed upon the Empire, apart altogether from the direct expenditure for military purposes.

There are two facts in this war that will ever remain salient—the gallantry of the British aristocracy, and the courage of the French democracy. It has been said—I have read it time and again before the war in books, pamphlets, reviews—that England was decadent, that her aristocracy was effete, idle, degenerate. But when the sons of the British nobility responded to the call of duty on the 4th August, 1914, when they buckled on their armour, when they rushed to the front in Artois and Champagne, when later on they were mowed down at Charleroi and Mons, mingling their blood with that of the soldiers of the Republic, I could not help thinking that they were the worthy sons of their sires, of the noblemen who wrested from King John the Magna Charta, and of the men of that aristocracy who played such a prominent part in Europe in the course of the 18th century; I could not help thinking that their chivalrous spirit was after all the best evidence that “blood will tell.”

As regards the French democracy, let me quote the words of the Minister of Munitions, Mr. Thomas, one of the leaders of the Old French Labour Party: “Comrades, I am surprised to hear what is now being said. We, who have been with the colours, know all about the fatigue, the suffering, and the demoralization of French warfare; but we are to-day in the same mind as we were on the day of mobilization. I want to fight in order that my son here may never have to go to war. If I am to die, then I shall die; but I do not want him to see war. To avoid this we will make every sacrifice—our liberty, our blood, and our life.”

That is the spirit of the French democracy, a spirit which is on a par with that which animates the British aristocracy.

(4) Preliminary Examination for the Outside Service, May, 1917.

ARITHMETIC.

Time: $1\frac{1}{2}$ hours.

NOTE.—No marks will be allowed unless the full work is shown and the answer is correct.

Values.

9 1. Write in words: 700093; 370019679; 4070900063.

6 2. Write in figures: Thirty-five million four hundred and sixty thousand seven hundred; Three billion nine hundred million fifty thousand and seven.

17 3. Add: 58868; 86987; 677898; 979; 846997; 97694; 39886; 58994; 7889; 867685; 934867; 8978.

17 4. Multiply 6739587946 by 96078.

17 5. Divide 173723639810 by 5894.

17 6. Make out a simple bill for the following: On November 4, 1916, Mr. J. Robert bought of Mr. A. Allard, 93 Chapel St., Montreal: 1 box Butter, weighing 56 lb., at 37c. a lb.; 1 quarter Beef, weighing 97 lb., at 13c. a lb.; 3 bags Flour at \$4.75 a bag; 2 bags Sugar at \$8.67 a bag; 6 bags Potatoes at \$1.97 a bag; 3 barrels Apples at \$5.85 a barrel; 2 pails Lard, each weighing 20 lb., at 19c. a lb.; 1 Cheese, weighing 78 lb., at 17c. a lb.; 24 doz. Eggs at 38c. a doz. Find total amount of the bill.

17 7. A farmer had 70 acres of cultivated land. There were 29 ac. of oats, 18 ac. of barley, 2 ac. of potatoes, and the rest was hay. The oats yielded 37 bu. per ac., the barley 29 bu. per ac., the potatoes 167 bu. per ac., and the hay 2 tons per ac. Find the total value of the crops at these price: oats, 48c. a bu.; barley, 57c. a bu.; potatoes, 93c. a bu., and hay, \$11.75 a ton.

100

SPELLING AND DICTATION.

SPELLING.

Time: 30 minutes.

NOTE.—Copy the following, correcting the errors in spelling; 3 marks will be deducted for every misspelled word in your copy.

Value—50.

On the opposit side of the cleering and near the point where the brook tumbelod over sum rocks from a still hier level, sum fifty or sixtey loges rudely maid of logs, brush, and earth inturmingled were to be discovered. They were arranged without any order and seamed to be construckted with verry

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littel attenshun to their neetness or beauty. Indeed, so verry inferior were they, in the two latter particulers, to the village the scout had just scene, that he began to expeckt a secund surprize no less astonishing than the formur. This expecktation was in no degree deminished when, by the doutful twilight he beheld twenty or therty forms rising from the cuvver of the tall, coarse grass in frunt of the loges, and then sinking agen from the site as it were to burrow in the erth. By the sudden and hastie glimpses that he caught of these figgers, they seamed more like dark, glancing spectres, or sum other unerthly beings, than creetures fashuned with the ordenary and vulger materiels of flesh and blood.

DICTATION.

Time: 30 minutes.

NOTE.—This paper should not be seen by the candidates. The Examiner will read over the whole extract once, and then reread it slowly and distinctly, indicating to the candidates the occurrence of each full stop. A third reading of the whole extract may be given if sufficient time remains. The whole time occupied should not be more than half an hour.

Value—50.

Gentleness is indeed the best test of a gentleman. A consideration for the feelings of others, for his inferiors and dependants, as well as his equals, and respect for their self-respect, will pervade the true gentleman's whole conduct. He will rather himself suffer a small injury, than by an uncharitable view of another's behaviour incur the risk of committing a great wrong. He will be tolerant of the weaknesses, the failings, and the errors of those whose advantages in life have not been equal to his own. He will be merciful even to his beast. He will not boast of his wealth, or his strength, or his gifts. He will not be puffed up by success, or unduly depressed by failure. He will not force his views upon others, but speak his mind freely when occasion calls for it. He will not confer favours with a patronizing air. He is a man from whom one may receive a favour, and that is saying a great deal in these days.

WRITING.

Time: 30 minutes.

Value—100.

Copy the following extract:—

Under the Experimental Farm Stations Act, 1886 (R.S. 1906, c. 73), were established a Central Experimental Farm at Ottawa for Ontario and Quebec, and four branch Farms: (1) for the Maritime Provinces at Nappan, Nova Scotia; (2) for Manitoba at Brandon; (3) for the Northwest Territories at Indian Head, Saskatchewan; and (4) for British Columbia at Agassiz. After these five Farms had continued in operation for twenty years, the first steps were taken toward their extension in number by the establishment of new Experimental Stations for Alberta, one at Lethbridge in 1906, and the other at Lacombe in 1907. Since this date, development in the number of Farms and Stations, and in the work carried on by them, has been rapid and continuous; and every province has now one or more Farms or Stations. In 1915, including the Central Farm at Ottawa, there were altogether 19 Farms and Stations with a total area of 8,935 acres.

(5) Qualifying Examination for the Outside Service, May, 1917.

ARITHMETIC

Time: $2\frac{1}{2}$ hours.

Value—100.

NOTE.—Nine questions only are to be attempted.

1. Add 42567895; 87659476; 58796837; 49278369; 78654783; 59678954; 35893592; 63876784; 39396666, and divide the total by 87543.
2. Multiply 346.78954 by 5.7984, and subtract the product from 3000.
3. Simplify $\frac{(\frac{1}{2} + \frac{1}{5}) \times (\frac{1}{2} + \frac{1}{6})}{(\frac{1}{2} - \frac{1}{3}) \times (\frac{1}{2} - \frac{1}{4})} + \frac{(\frac{1}{4} + \frac{1}{5}) \times (\frac{1}{4} + \frac{1}{6})}{(\frac{1}{2} - \frac{1}{4}) \times (\frac{1}{3} - \frac{1}{4})} - \frac{(\frac{1}{3} + \frac{1}{5}) \times (\frac{1}{3} + \frac{1}{6})}{(\frac{1}{2} - \frac{1}{3}) \times (\frac{1}{3} - \frac{1}{4})}$
4. A man who had \$112000 spent a part of it in buying a house, and then invested $\frac{1}{3}$ of the remainder at 4% and the other $\frac{2}{3}$ at 5% , and received \$3920 income from these latter investments. Find the price paid for the house.
5. A man ascended and descended a mountain in $2\frac{1}{2}$ hours. Going up he went $2\frac{1}{3}$ miles an hour, and coming down at $3\frac{1}{2}$ miles an hour. What is the distance to the top of the mountain?
6. To what sum will \$1530 amount at the end of 4 years at 6% per annum, compound interest?
7. A person bought 84 lbs. of tea and 56 lbs. of coffee for \$79.80. If $12\frac{1}{3}$ pounds of coffee are worth \$5.55, what is the value of a pound of tea?
8. The sum of \$250 placed at interest at 6% per annum amounted to \$256 at the end of a certain time. What was that time?
9. A merchant wished to raise \$494 by having his 70-day note discounted at a bank at 6% per annum. For what sum should the note be drawn?
10. What is the weight of a barrel of oil, if it is known that $\frac{1}{4}$ had been sold at one time and $\frac{2}{3}$ of the remainder at another time, and after that there remained 80 lbs. in the barrel?
11. What was the value of the following note when it came due?
\$240.00. OTTAWA. January 9th, 1917.
Three months after date I promise to pay to S. H. Bleaker, or order, the sum of Two hundred and forty dollars, with interest at 7% per annum, value received.

A. M. FRANKLIN.

COMPOSITION.

Time: $2\frac{1}{2}$ hours.

Value of each question: 50 marks.

1. Write a composition about 250 words in length on one of the following subjects:
 - (a) Our debt to those who have gone to fight for us, and how we may try to repay it.
 - (b) An argument in favour of having every girl take a course in domestic science in the elementary schools.
 - (c) Reasons given to account for the high cost of living.
 - (d) A discussion of hunting with a camera as compared with hunting with firearms.
2. Give in about 250 words in well-constructed sentences the substance of the following extract from a speech made in London to the Premiers of the self-governing Colonies:—

I pass on, then, gentleman, to the second point—the question of commercial relations, and in regard to this I wish to say what I have already stated in answer to inquiries which I received before the Conference, that every question is an open question for full and free discussion. We rule nothing out of order. We do not pretend to bar the consideration of any subject, whatever its purport may be, but we do not propose, ourselves, to formulate any proposals in the first instance. We think it is absolutely necessary in a matter of this kind which involves so many considerations of detail, that there should be in the first instance a free interchange of opinion in order that we may not put before you suggestions which perhaps we should find afterwards were altogether out of harmony with your views, but if it appears hereafter desirable, after full discussion, to make proposals, I have no doubt we shall be able to do so.

In reference to this matter, also, I am placing papers before you which will give you a very full account of the present state of trade between the Colonies and the Mother Country, and also a matter which is very important for us to consider, of the condition of trade between the United Kingdom and foreign countries; and, without going into detail, I would say there are two salient facts which appear on the surface of these fuller returns which I shall put before you. The first is this: That if we chose—that is to say, that if those whom we represent chose—the Empire might be self-sustaining. It is so wide; its products are so various, its climates so different, that there is absolutely nothing which is necessary to our existence, hardly anything which is desirable as a luxury, which can not be produced within the borders of the Empire itself. And the second salient fact is that the Empire at the present time, and especially the United Kingdom—which is the great market of the world—derives the greater part of its necessaries from foreign countries, and that it exports the largest part of its available produce—surplus produce—also to foreign countries. This trade might be the trade, the inter-imperial trade, of the Empire. It is at the present time, as I say, a trade between the Empire and foreign countries. Now, I confess that to my mind that is not a satisfactory state of things, and I hope that you will agree with me that everything which can possibly tend to the interchange of products between the different parts of the Empire is deserving of our cordial encouragement. What we desire, what His Majesty's Government has publicly stated to be the object for which they would most gladly strive, is a free interchange. If you are unable to accept that as a principle, then I

ask you how far you can approach to it? If a free interchange between the different parts of the Empire could be secured, it would then be a matter for separate consideration altogether what should be the attitude of the Empire as a whole, or of its separate parts, towards foreign nations. The first thing we have to do, the thing which touches us most nearly is to consider how far we can extend the trade between the different parts of the Empire—the reciprocal trade.

GEOGRAPHY.

Time: 2 hours.

NOTE.—Candidates will take Question 1 and any five others.

Values.

20 1. On an outline map show the position and name of each lake, river and canal on the great waterway between Lake Superior and the Atlantic. Indicate also five places where railway cars are taken across from Canada to the United States by bridge, tunnel or ferry, naming the Canadian and the United States town or city connected at each crossing.

16 2. What is the size, position and population of Newfoundland? What are the products of its forests, its mines and its surrounding waters? Name and locate its three most important towns or cities.

16 3. Write a short paragraph on each of the following:—

- (a) The reason why the coast of Alaska has a milder climate than the coast of Labrador, although Alaska is farther north.
- (b) The natural advantages of the Niagara district for fruit-growing.
- (c) The natural advantages and the natural disadvantages of Hudson Bay as a waterway for the shipment of western grain.
- (d) The usefulness of the Ottawa River.

16 4. The dependencies of the United States are Porto Rico, Alaska, Hawaii, and the Phillipines. With as great accuracy as you can, give the location of each dependency, a description of its people, and make a list of from three to five of its chief products.

16 5. From what countries does Great Britain obtain her supply of wheat, wool, cotton, lumber, paper, gasoline, rubber, beef, horses, nickel, sugar, tea, coffee, silk, hemp, jute?

16 6. Locate and tell some interesting fact about each: Ypres, Plymouth, Vladivostock, Dingwall, Bucharest, Trebizonde, Bordeaux, Faroe Islands, Lemberg, Bagdad, Corinth.

16 7. Name eight republics of South America with their capitals. Where are Falkland Islands, Barbadoes, Trinidad, British Guiana, Guayaquil, Valparaiso, Para, Strait of Magellan?

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HISTORY.

Time: 2 hours.

NOTE.—Five questions only are to be attempted.

Value—100.

1. Write notes on: The Hundred Associates, The Seigniors and Seigniorial Tenure, The office and duties of an Intendant, The Jesuit Order and its work in Canada.
2. How did the Hudson's Bay Company originate? What lands had it control of, and what were its powers? What profits did the company obtain, and what benefits accrued to England?
3. What is meant by the North-west Passage? Who were attracted to it and attempted to explore it? How far were they successful, and what lands were explored at the same time?
4. Who were the United Empire Loyalists? Where did they locate, and what did Britain do for them? How did they succeed in (a) Settlement, (b) Government in Upper Canada?
5. What were the causes of Papineau's Rebellion? By a rough map show the chief centres of the Rebellion, and tell how it was quelled? What became of Papineau?
6. When was Lord Elgin Governor General of Canada? Outline fully his work as Governor and point out the benefits from his rule to (a) Canada, (b) Britain.
7. What methods did Napoleon adopt to defeat Britain (a) on the sea, (b) on land? Is there any similarity between Napoleon's methods then and Germany's methods now to overthrow Britain?

SPELLING AND DICTATION.

SPELLING.

Time: 30 minutes.

Value—50.

NOTE.—Copy the following, correcting the errors in spelling; 5 marks will be deducted for every misspelled word in your copy.

I red not long ago a diahtribe by a riter who seamed very anxous to senshure exadgerrated statemeants by Canadians about there country. Not only were his owne paiges full of all sorts of inackewrasies, but many of his assurshuns were so phantastickally untrew that they were only laffed at by peapel who new the facts. Unfortunaitly, most of his readers in the Old Country were not in a position to no all the facts, and were therefour at the mercy of his deseptions.

I have nown Canada intimaytly now for thurty years, boath by long rezidents and by repeated journies of careful investigashun from one end of the country to the other. If their is one thing I obgett to, it is exadgerrashun. Even if it were not a vise in it self, it shhood be sevearly condemned as leeding to disappointment when its victoms are at last undecieved; and kno senshure is two strong for anny interrested or responsable partys "with an acks to grind" who make misleeding staitmeants too intending emmigrants or two possable purchasers of land. I have nown peapel who have been thus mislead; and I am glad that the Canadian Government emfaticaly discountinances annything that mite lead to sutch a result.

DICTATION.

Time: 30 minutes.

Value—50.

NOTE. -This paper should not be seen by the candidates. The Examiner will read over the whole extract once, and then reread it slowly and distinctly, indicating to the candidates the occurrence of each full stop. A third reading of the whole extract may be given if sufficient time remains. The whole time occupied should not be more than half an hour.

May I be permitted, without any impropriety, to recall that it was my privilege to experience and to appreciate that courtesy, made up of dignity and grace, which was famous all the world over, but of which no one could have an appropriate opinion, unless he had been the recipient of it. In a character so complex and diversified, one may ask what was the dominant feature, what was the supreme quality, the one characteristic which marked the nature of the man. Was it his incomparable genius for finance? Was it his splendid oratorical powers? Was it his marvellous fecundity of mind? In my estimation it was not any one of these qualities. Great as they were, there was one still more marked, and if I have to give my own impression, I would say that the one trait which was dominant in his nature, which marked the man more distinctly than any other, was his intense humanity, his paramount sense of right, his abhorrence of injustice, wrong and oppression, wherever they might show themselves. Injustice, wrong, oppression acted upon him, as it were, mechanically, and aroused every fibre of his being, and from that moment to the repairing of the injustice, the undoing of the wrong, and the destruction of the oppression, he gave his mind, his heart, his soul, his whole life, with an energy, with an intensity, with a vigour paralleled by no man, unless it be the first Napoleon.

TRANSCRIPTION AND WRITING.

Time: 1 hour.

Value—50 for each.

The candidate is required to make a neat, clean and correct copy of the manuscript handed to him with this slip, writing out all abbreviations at full length, and correcting any misspellings. The words scored through are to be omitted, and the interlineations and the marginal and other additions are to be inserted in their proper places as indicated. All changes or corrections, other than these, will be counted as errors. This paper will be taken as a test of writing also.

Civil Service of Canada - Qualifying Examination

8/ tr/

It seems to be, therefore, justifiable to state that to improve the river by means of storage is a work of great import^u, & one upon wh. the safe navigatⁿ of the canal ^{ment of} ~~stands~~ appears dependant. The informatⁿ collected ^{to date} so far shows that there is sufficient storage to control the river at ordinary spring level, & fr. the surveys made & informatⁿ collected, the cost of the reservoirs for storage is not excessive when you compare it with the benefits derived. Their operatⁿ however,

8/

is a questⁿ of some moment by reason of their no. & inaccessibility, but it is believed that a more extended study will ^{develop} produce a system by wh. this can be done at a reasonable cost. This wd

stet/

tr/

for any grt. period/ country can long continue.

aside

Apart fr. the advantages to future navigatⁿ that can be obtained fr. them, there are others wh. are sufficient in themselves to guarantee the constⁿ of

, if not the total } many of them. The flood of 1876 is still
no. } sufficiently well remembered by those who
were engaged in industries along the river to
tr/ state that its recurrence is feared greatly.

It is not possible to estimate what the
result^g damages might be ^{in case of} if there was a
recurrence of the flood of the magnitude
of that of 1876.

tr/ (The river, at that time, particularly at
Ottawa, was ^{very} much less restricted, & the
improvements & const^{ns} built since that
time by the various power-users have
now ^{no doubt} interfered seriously with the free
flow of the river.

tr/

SESSIONAL PAPER No. 31

(6) Examination for Positions in the Lower Grades, Inside Service, May, 1917.

ARITHMETIC.

Time: $1\frac{1}{2}$ hours.

NOTE.—No marks will be allowed unless the full work is shown and the answer is correct.

Values.

9 1. Write in words: 400019; 9070700; 8293500009.
6 2. Write in figures: Ninety-five million five thousand six hundred and seventeen; Twenty-nine billion five hundred million four hundred and eighteen.
17 3. Add: 62794; 8995; 6786; 934895; 27683; 68897; 4678; 896787; 56883; 989; 8673; 935978.
17 4. Multiply 673098540 by 40598.
17 5. Divide 63501419912 by 8736.
17 6. Subtract 4987×3678 from 6872×3945 .
17 7. A dealer bought 195 barrels of apples at \$4.75 a barrel. He sold 86 barrels at \$5.65 a barrel, 76 barrels at \$4.95 a barrel, and the rest at \$4.50 a barrel. Find his total gain.

100

SPELLING AND DICTATION.

SPELLING.

The paper set is that given on page 78.

DICTATION.

The paper set is that given on page 79.

WRITING.

The paper set is that given on page 79.

(7) Competitive Examination for Positions in Subdivision B of the Third Division, Inside Service, May, 1917.

ARITHMETIC.

Time: $2\frac{1}{2}$ hours.

Note.—Candidates will do the first question and any other six. All work must be shown.

Value—100.

1. (a) Find the G.C.M. of 148; 444; 592; 703.
 (b) Divide 152.847420 by 30.207.
 (c) Simplify
$$\frac{2\frac{1}{2} - \frac{1}{3} \text{ of } 1\frac{1}{5} + \frac{4}{5}}{\frac{3}{5} + \frac{1}{3} \text{ of } \frac{5}{8} \div \frac{4}{5} \times \frac{1}{2} \frac{2}{5}}$$
2. A man commenced business with \$3000 capital. The first year he gained $22\frac{1}{2}\%$, which he added to his capital; the second year he gained 30% of this new capital and put the gain into his business; the third year he lost $16\frac{2}{3}\%$ of his capital for that year. Find his net gain for the three years.
3. A fruit dealer bought 168 cases of oranges and lemons for \$551.25. There were $\frac{3}{5}$ as many oranges as lemons, and the latter were worth \$1.25 per case more than the former. Find the cost of each per case.
4. A contractor invested \$30000 in twelve houses of equal value. He sold 4 of them at once for \$3200 each and invested the proceeds at 7%. He rented 6 of the houses at \$22.50 per month each, and the other two were idle. He paid taxes on $\frac{4}{5}$ of the cost of the unsold property at the rate of 14 mills on the dollar. In one year how much more did he make than if he had invested the \$30000 at 7%?
5. A mason charges 27c. a square yard for plastering the walls and ceiling of four rooms. The first room is 20 feet long and 8 feet wide; the second is 18 feet long and 9 feet wide; the third is 12 feet long and 7 feet wide, and the fourth is 18 feet long and 16 feet wide. Find the total cost, each room being 12 feet high.
6. A drover bought a number of cows for \$4375 and sold a number of them at \$43 a head for the sum of \$3655, thereby gaining on those sold \$680. Find how much he must get for the remainder per head in order to gain \$400 more.
7. On March 10, 1917, Wise & Co. sold an automobile for \$1500 to Henry Black, who gave his note for 60 days. Wise & Co. had the note discounted immediately at the bank at 8% per annum.
 - (a) Find how much money the bank paid to Wise & Co.
 - (b) Write out the note given by Henry Black.
8. Green coffee when roasted losses $\frac{1}{6}$ of its weight. If a grocer buys green coffee at $25\frac{1}{4}$ c. a pound and sells it at 35c. a pound after it is roasted, what will he gain by selling 510 pounds?

SESSIONAL PAPER No. 31

BOOK-KEEPING.

Time: $2\frac{1}{2}$ hours.

Value 100.—

A Syndicate of four men, A. B. C. and D was formed to purchase a business property. Each contributed \$10,000.00 to the Syndicate.

The property cost them \$40,000.00, clear, May 1, 1916. It was leased to T. for five years at a rental of \$4,000.00 per annum, payable monthly at the end of each month. All taxes and repairs were to be paid by the Syndicate. Real Estate Agents, R. E. & Co., were appointed to act for the Landlords and collect the rentals, for which they were to be allowed commission of 3 per cent on all rents collected and paid over to the Syndicate. At the end of each quarter the members of the Syndicate were to be given credit for their share of the net revenue, excepting any odd balance which might be left over.

The following amounts were collected by R. E. & Co. from the Tenant:—

May, 1916.....	\$ 325 00	November, 1916.....	\$200 00
June, 1916.....	325 00	December, 1916.....	275 00
July, 1916.....	225 00	January, 1917.....	225 00
August, 1916.....	300 00	February, 1917.....	350 00
September, 1916.....	400 00	March, 1917.....	325 00
October, 1916.....	375 00	April, 1917.....	300 00

Repairs amounting to \$80.75 were allowed the Tenant, to be credited on his rent account.

R. E. & Co., after deducting their commission, handed over the balance to the Syndicate, in the following amounts, which were at once deposited in the Bank to the Syndicate's credit: May, \$300.00; June, \$300.00; July, \$200.00; August, \$300.00; September, \$400.00; October, \$350.00; November, \$200.00; December, \$250.00; January, \$200.00; February, \$325.00; March, \$300.00; April, \$300.00.

The Syndicate paid the following accounts by cheque: Taxes, \$840.00; Insurance, \$325.00; Water Rates, \$60.00; Repairs, \$275.00; Expenses, \$38.00; and paid each member of the Syndicate \$150.00 each quarter.

Use Cash-book, Journal and Ledger, and write up the above transactions, and show accounts for the Tenant, the Landlord, the Real Estate Agents, and each of the members of the Syndicate at the end of each quarter.

Take off a Trial Balance at the end of the year.

COMPOSITION.

Values.

Time: $2\frac{1}{2}$ hours.

40 1. Write a letter to a newspaper or magazine discussing one of the following subjects. The letter should contain not less than 250 words.

Safety First.
The Returned Soldier.
Preparation for Peace.
Home Gardening.

30 2. Write a brief summary of the following extract from a report on the transportation of supplies from Canada to England.

8 GEORGE V, A. 1918

The prompt action of the government in adopting my suggestion has secured to Canadian manufacturers and farmers an uninterrupted outlet for the hundreds of millions of dollars worth of War Office orders, the acceptance of which would not have been possible but for the inauguration of an economical overseas service.

Further, the fact that the transports, owing to their regularity in sailings have been in a position to handle promptly the War Office supplies, which otherwise would have occupied space on regular liners, has been of distinct advantage to the export trade of Canada, and has released to that extent ocean space for commercial tonnage. Since the inauguration of the service, not a pound of Imperial Government transport has been forwarded on regular liners.

During the period between 28th August, 1914, and 30th April, 1915, 244,913 gross tons were handled on account of Imperial and Dominion governments.

Between, however, the 1st of May and 30th November, 1915, there was an enormous expansion—over 410,000 tons being forwarded during that period (seven months), or about 67% more than was moved in the previous eight months.

The Overseas Department is now being called upon to provide for about 125,000 gross tons of munitions, war material, and supplies per month, or approximately one and a half million tons per annum, and the tonnage is still growing.

30 3. Write in well-constructed sentences a synopsis of the following letter from a "neutral" to the London Times.

What is England going to do? This was the whispered query that I heard time and again in Germany. For I found that the possible power of Britain is more truly appreciated and understood in Germany than in any other country in Europe to-day. The great German captains of industry, who have hitherto made the success of German arms possible, seem to realize that if ever the vast industrial might of Britain, so akin to their own, is properly mobilized, if its resources are consistently and adequately exploited, if every ounce of latent energy is made available, then, no matter how great a success German arms may have achieved, no matter how firmly entrenched German troops may stand on enemy soil, the tables will turn, and German chances of final victory will fade into limbo.

I have just crossed Great Britain from one end to the other, and I have visited innumerable towns and cities. Britain at last, after more than a year's delay, is mobilized for war. Her achievement to-day far surpasses the wildest idea of the "Kolossal". I have seen factory after factory working steadily twenty-four hours a day, seven days in the week, employing thousands of men and women making shells, shells, shells! I have seen factory after factory making aeroplanes; I have seen guns being forged under hydraulic pressure of 12,000 tons; howitzers forged out of the stoutest steel, which requires sixteen hours in a blast furnace to heat.

I have seen shell cases pressed out of the living ingot in less than five minutes, and shells forged at a speed three times as great.

I have seen men working at great forges, where gun parts are cast, straining every nerve and muscle to accomplish their difficult tasks, handling vast lumps of red-hot metal with lightning dexterity. I have seen machine-guns by the hundreds, and rifles by the thousand—all of the most careful workmanship and finish.

The whole North country has been turned into one vast arsenal. The deep pall of fog and smoke that hangs low over the great industrial centres of the Midlands, deeper, denser than it has been for some years past, means that England has at last turned with full energy to the mighty task. The achievement is the more remarkable when it is appreciated that all this work is merely a beginning.

SESSIONAL PAPER No. 31

GEOGRAPHY.

Time: 2 hours.

NOTE.—Candidates will take Question 1 and any other six.

Value—100.

1. Draw a map of Canada from the international boundary to the 60th parallel, outlining the provinces, locating and naming the two largest cities in each, and indicating the course of the Canadian Pacific Railway.
2. Give the location of each of the following lakes, stating the slope and province in which each is found: St. John, Nipigon, Champlain, Simcoe, Temiscaming, Winnipeg, Lesser Slave, Woods, Megantic, Athabasca, Nipissing, St. Clair, Rainy, and St. Peter.
3. Name in order, with capitals, those States of the American Union bordering on the Atlantic, and state whether their respective capitals are situated inland or on the seacoast.
4. (a) Name the five chief foodstuffs and the five chief raw materials for manufacture imported by Great Britain, and state from what part of the British Empire each comes in the greatest abundance. (b) Name four chief manufactured products exported by Great Britain to Canada, and in each case name a large city in Great Britain manufacturing the product mentioned.
5. Give, in order of importance, the seven provinces of Canada that lead in the production of fish, and name the three chief varieties caught in each.
6. Sketch a map of the Atlantic Ocean north of the Equator, locating Halifax, St. John, Sydney, New York, Boston, Portland, Liverpool, Bristol, Gibraltar, Lisbon, Bordeaux, and Bermudas.
7. Name and locate in each case two chief places in Canada engaged in the production of flour, steel, paper, cottons, sugar, salt, and boots and shoes.
8. What, where and for what noted are: Drummondville, Kitchener, Revelstoke, Levis, Gowganda, Kenora, Banff, Lethbridge, Tadoussac, and Springhill.
9. What waters are connected, and what lands are separated, by each of the following straits and channels: Gibraltar, Dover, The Sound, St. George's, North, Belle Isle, Canso, Davis, Northumberland, and Juan de Fuca.

HISTORY.

Time: 2 hours.

Values.

20 1. Write brief notes (not more than five lines each) on any *five* of the following: Daniel O'Connell, William Lyon Mackenzie, Mirabeau, Lord Salisbury, Marshall Ney, Lord Elgin, and George Canning.

16 2. Name the Province in which you live, and tell how its revenue for purely Provincial purposes is obtained; *or*

Enumerate the chief sources of the revenue raised in Canada for Federal purposes.

16 3. Tabulate in concise form the chief causes that led to the Lower Canada Rebellion in 1837-38. Give a very brief account of the events of 1837 in that Province.

16 4. Describe as clearly as you can the existing situation in regard to Home Rule in Ireland; *or*

Write a note on Irish emigration, giving the underlying causes, the chief periods of emigration, and the parts of the world most affected by this emigration.

16 5. Outline the struggle to secure responsible government in any *one* of the following: Upper Canada, Lower Canada, Nova Scotia. In your opinion, what date definitely fixes the securing of this form of government for the Canadas? Why?

16 6. Explain the following: customs duty, excise duty, preferential tariff, revenue cutter, contraband of war, interned, running a blockade, admiralty prize court; *or*

Outline briefly the system of government as it existed in Quebec under the French regime about 1725.

SHORTHAND.

Time allowed for transcription of notes: 1½ hours.

EIGHTY WORDS PER MINUTE.

Value—100.

The people of Canada were beginning to think of drawing their money out of the banks in gold. We were | threatened with a condition that might have produced a panic which would almost have paralysed the energies of Canada in | this war. We were obliged to prevent the exportation and hoarding of gold. We were obliged to make bank notes | good legal tender. We were obliged to provide that Dominion notes need not be redeemed in gold. These measures were | accepted by the country. Then, we were faced almost immediately afterwards with another very serious problem. The revenues of this | country had fallen enormously immediately after the outbreak of the war. Trade was almost paralysed; importation almost stopped, and exportation | as well, and then we found ourselves confronted with a very serious condition in a very large district in Western | Canada. There was this condition confronting us: the revenues of the country were shot to pieces on the one hand, | and on the other hand there was the need for some assistance to the people in that unfortunate district. We had the alternative, to display a lack of courage and to say that, confronted by a war such as was | upon us, with reduced revenues, it would be impossible for the Government to do anything or to attack the problem | in a courageous way; or we had the other alternative of doing what we could to relieve the situation. |

ONE HUNDRED WORDS PER MINUTE.

Canada has been particularly fortunate in the character of those who have been selected to be the representatives of the royal authority. They have all | been men of great eminence, whether eminence by character or eminence by ability, and most of them have been eminent for both ability and character. | It is due to those who have occupied that high office to say, when they had fulfilled their term and the time came for them | to sever their connection with us, they carried with them the gratitude, the esteem, the respect of all classes of the community. But no Governor | General who ever left our shores was followed with so much of the blessings and the affection of the people of Canada as was His | Royal Highness the Duke of Connaught. Undoubtedly, the peculiar enthusiasm with which he was received by us when he came to preside over the destinies | of Canada was due to the fact that he belonged to the Royal Family. But he earned the gratitude and respect of the Canadian people | by his own personal qualities; his devotion to duty; his high sense of honour; his simple, affable manners; his straightforward, democratic ways. And if the | whole truth is to be told, I believe everybody will agree with me, that in the impression which he made in Canada he himself was | not the sole factor; a great deal was due also to his gracious consort, a lady who, in her high station, gave, during the time | she was with us, an example of those exalted virtues ever dear to the British heart. It is said that when asked to become Governor, | he hesitated, and that he accepted the office for a period of not more than two years. His stay was probably prolonged by the war. |

SPELLING AND DICTATION.

SPELLING.

The paper set is that given on page 83.

DICTATION.

The paper set is that given on page 84.

TYPEWRITING.

Time: 30 minutes.

Value—100.

Copy the following:

Nearly fifty years ago the first Parliament of the Dominion assembled. In it were the statesmen who had brought under one government Ontario, Quebec, Nova Scotia and New Brunswick. These men, Macdonald, Brown, Cartier, Tupper and others, whose loyalty, determination and courage laid the foundation of the present Great Dominion, have been justified in their work by the growth, solidity and importance of this country. Confederation saw four provinces, with little common interest except loyalty to the Crown, brought into union; a half century has passed and the Canada of 1867 is now a mighty empire, stretching from the Atlantic to the Pacific, one-half of North America, comprising all the British possessions on this continent except Newfoundland.

The fathers of Confederation laid the foundation of a vaster country than they believed possible at the time. Then Canada was a colony of Great Britain; to-day she is a partner in world affairs, whether of peace or war.

A little over fifty years ago representatives from the four provinces met to consummate Confederation. Then there were doubts as to the stability of the proposed union; even as to the worth of overseas Dominions to the Empire. What a change in fifty years! Within a few weeks there will be another conference in London, when representatives from the overseas Dominions will sit in the councils of the Empire determining the best policy to pursue to win victory in the great world's war, and with that victory the preservation and strengthening of the bonds of empire. What Imperial or Colonial statesmen in 1867 would have even dreamed that within such a brief period the overseas Dominions could have won a partnership in the great British Empire?

The following table shows the properties purchased:—

Vendors.	Price.	Interest.
Mrs. Campbell.....	\$16,500.00	\$ 655.00
Mrs. Benneast.....	5,100.00	202.46
James McKay.....	6,500.00	257.62
C. Grossman.....	6,787.00	139.66
Mrs. Ireland.....	4,200.00	166.65
Mrs. Beelamy.....	6,787.00	269.44
John McLeod.....	7,250.00	
James Kerr.....	7,000.00	273.41
Mrs. Muir.....	10,250.00	
Mrs. McSpadden.....	122,700.00	4,991.85
	<hr/>	<hr/>
	\$193,074.00	\$ 6,956.09

SESSIONAL PAPER No. 31

A Disabled Soldiers' Training Board consists of a member of the Provincial Commission, a vocational officer and a medical man. The duties of this Board are:

(a) To consider all cases which, in the light of the medical reports, appear to be subjects for special training, and to report upon each, with suitable recommendations, to the Military Hospitals Commission.

(b) To consider from time to time reports of the progress of men undergoing training, and to make recommendations as to change of treatment or of training, or its discontinuance.

Each Provincial Employment Commission has been asked to nominate suitable persons to act as an advisory committee on the training of disabled soldiers who are eligible for re-education. The personnel of this advisory committee includes, in most instances, some person acquainted with the processes of education, an agricultural educationalist, an employer, and a labour representative.

The duties of the Provincial Advisory Committee may be summarized as follows:—

(a) To prepare, with the assistance of the vocational officer, schemes of instructions in general subjects and elementary vocational training in, or in connection with, the convalescent homes or hospitals of the province.

(b) To organize and carry out schemes as may be approved.

(c) To maintain a regular inspection, preferably through the vocational officer, of all instruction being carried on.

(d) To make a survey of the facilities at present, and from time to time, available for vocational training in public educational institutions and private workshops, farms, etc.

(e) To assist the Employment Commission by providing definite information as to the training received by men who desire assistance in obtaining employment.

(f) To appoint or approve local sub-committees on training in connection with local employment committees in centres where it appears necessary to have such committees.

(g) Generally, to advise and assist in the training of returned soldiers in every possible way.

TRANSCRIPTION AND WRITING.

Time: 1 hour.

Value—50 for each.

The candidate is required to make a neat, clean and correct copy of the manuscript handed to him with this slip, writing out all abbreviations at full length, and correcting any misspellings. The words scored through are to be omitted, and the interlineations and the marginal and other additions are to be inserted in their proper places as indicated. All changes or corrections, other than these, will be counted as errors. This paper will be taken as a test of writing also.

Civil Service of Canada - Third Div. Clerkships.

Extract from Report on Constⁿ of Georgian Bay

Canal - As a large amt. of lumber is manu-

factured at the ^{Ottawa} Capital, the questⁿ of pass⁹

saw-logs & pulp-wood down the river ~~at the~~

time of constⁿ & after the ^{waterway} canal is in

tr/ operatⁿ will ~~here~~ be taken up). For yrs.

in any way / saw-logs have been floated down the Ottawa

in booms, without raft⁹ them together. - Ar-

riv⁹ at the head of a rapid, the boom has

been opened, & the logs ~~have been~~ allowed

to plunge in a haphazard ^{manner} over the

tr/8/ chutes. Log slides ~~haven't been built~~ at a

tr/ a few pts. only, & the sq. timber slides

8/ have fallen into complete decay, ~~two rafts~~

tr/ only hav⁹ passed down dur⁹ the last ten yrs.

in heaps / The saw-logs, drift⁹ over the rapids, have

piled, on rocks & islands dur⁹ low water,

& the high water of the spring fails to float

them ^{all} off. Many logs have ^{been} water-soaked

& float in an upright positⁿ, the end

project⁹ just above the water, or ^{just} float⁹

unseen ^{perhaps} beneath the surface.

These 'dead-heads,' as ~~they are~~ called

8/ them, cd. not be ^{endured} allowed in a navigable

stet/ channel, wh. they wd. be a constant menace

to steel boats. mov^g at full speed. When the waterway is open, logs ^{can} not be, besides endanger^g allowed to float loose on its surface, for the skin of the boat, } they may be threshed in by the screw, break^g the propellor blades & injur^g the tr/ machin^g. It will be necess^g, therefore, in some form, to raft the logs, & pass them through the locks, like tows of barges.

, however, / At Ottawa, pass^g them through the canal wd. bring them below the falls, tr/ instead of above, wh. they are received now at the mill. *

tr/ Dur^g the period of conct^g, wh. will last fr. three to five yrs., special arrangements will be ^{necess^g} to pass the logs down to the mills.

tr/ * { It will be necess^g, therefore, to provide a lock for the passage of the rafted logs into the basin above the dam at the Chaudiere.

(8) Competitive Examination for Positions in Subdivision B of the Second Division, Inside Service, May, 1917.

ALGEBRA.

Time: $2\frac{1}{2}$ hours.

Value—100.

NOTE.—Seven questions only are to be attempted.

1. Simplify

(a)
$$\frac{a}{4} - \left[\frac{2c-3a}{4} - \left\{ c - \frac{a-2c}{2} - \left(2c - \frac{3a+c}{2} \right) \right\} \right],$$

(b)
$$\frac{a-7a^{\frac{1}{2}}}{a-5\sqrt{a-14}} \div \left(1 + \frac{2}{\sqrt{a}} \right)^{-1}$$

2. Express, as the product of four factors, each of the following expressions:—

(a) $3(6x^2+5x)^2 - 10(6x^2+5x) - 8;$

(b) $(a-b)(b^3-c^3) - (a^3-b^3)(b-c).$

3. Solve the equations:

(a) $\frac{x}{y} + \frac{y}{x} = 2\frac{1}{2}$

$x+y=6.$

(b) $x^2 - xy = 8x + 3$

$xy - y^2 = 8y - 6.$

4. (a) Find a number of two digits such that if the number is divided by the product of its digits the quotient is $5\frac{1}{3}$, and such that if 9 is subtracted from the original number the order of the digits is reversed?(b) If \sqrt{x} varies as $\sqrt[3]{y}$, and if $x = 4$ when $y = 64$, what will be the value of x when y has the value 27?5. (a) Find the equation whose roots are the reciprocals of the roots of the equation $5x^2 - 20x + 17 = 0$.(b) Prove that the roots of the equation $(q^2 - 4pr)x^2 + 4(p+r)x - 4 = 0$ are real for all values of p, q, r , positive and negative.

6. (a) In an arithmetical progression there are 21 terms. The sum of the three middle terms is 129; and the sum of the last three terms is 237. Find the progression.

(b) If a, b, c are three numbers in geometrical progression, prove that

$$a^2b^2c^2 \left(\frac{1}{a^3} + \frac{1}{b^3} + \frac{1}{c^3} \right) = a^3 + b^3 + c^3.$$

7. Find the square roots of:

(a) $3 - \frac{6x}{a} - \frac{2a}{3x} + \frac{a^2}{9x^2} + \frac{9x^2}{a^2},$

(b) $19 - 4\sqrt{12}.$

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8. (a) Numbers are formed by writing the six digits, 1, 2, 3, 4, 5, 6 in every possible order. How many of these numbers are greater than 560,000?
 (b) From an assembly consisting of 12 Conservatives and 9 Liberals, in how many ways can a committee of six be chosen so as to contain not more than two Liberals?

9. (a) Expand $(1-2x^3)^{\frac{1}{3}}$ as far as the fourth term, and simplify the result.
 (b) In the expansion of $(1+x)^{m+n}$ show that the coefficient of x^m and x^n are equal. Find the numerical value of this coefficient when $m=3$ and $n=9$.

10. (a) Show that $\log_a M^{\frac{p}{q}} = \frac{p}{q} \log_a M$.
 (b) Find the fifth root of 0.01008, having given
 $\log 2 = 0.3010300$, $\log 30 = 1.4771213$,
 $\log 70 = 1.8450980$, $\log 398.742 = 2.6006921$.

ARITHMETIC.

Time: $2\frac{1}{2}$ hours.

NOTE.—Six questions only are to be attempted. The details of the work must be given.

Value—100.

1. Reduce $\frac{\frac{10}{3} + \frac{4}{3} - 1 - \frac{24}{7}(\frac{4}{5} + \frac{1}{9})}{\frac{3}{2}(\frac{7}{4} - 1) - \frac{4}{3}(\frac{1}{7} - \frac{1}{10})}$ to its simplest form.
2. Compute the value of $\frac{1}{\sqrt{3+1}} + \frac{1}{\sqrt{2-1}}$ correct to four decimal places.
3. The present worth of a bill of \$442.75 is \$385. Find how long the bill has to run at $4\frac{1}{2}$ per cent per annum, simple interest.
4. By selling a carriage for \$73.15 I should lose 5 per cent. At what price must I sell it to gain 15 per cent.
5. Find the compound interest on \$8,750 for $1\frac{1}{2}$ years at $3\frac{1}{2}$ per cent per annum, payable half-yearly.
6. A person finds that he can obtain \$25 more per annum by investing in $3\frac{1}{2}$ per cent stock at 96 than in 3 per cent stock at 88. How much has he to invest?
7. A could do a certain piece of work by himself in 24 days, and B could do it by himself in 36 days. If after A has worked at it 14 days B joins him, and they both work together, how soon will it be finished?
8. A merchant who sold his goods at a profit of 10 per cent found that when he allowed $2\frac{1}{2}$ per cent discount off his selling price, his business increased by one-third. Find whether his total profits were increased or diminished by adopting this plan, and in what proportion.
9. What will be the length of fence required to enclose a circular field of $3\frac{1}{7}$ acres?
10. Find to the nearest ton what weight of stone will be required to line a semi-cylindrical tunnel 30 feet in internal diameter and 120 yards long. The lining is to be 15 inches thick, and 4 per cent of the volume of the lining is to be deducted for cement. One cubic foot of the stone employed weighs 170 lbs.

BIOLOGY.

Time: $2\frac{1}{2}$ hours.

NOTE.—Seven questions only are to be attempted: four in the first section and three in the second.

BOTANY.

Value—100.

1. Give an account of the structure and the functions of leaves.
2. Compare underground stems with roots.
3. Describe the reserve food-materials found in seeds.
4. Write the life-history of a horsetail (*Equisetum*).
5. Discuss the decomposition of organic matter in the soil, and its relation to agriculture.
6. Write short descriptions of *three* Canadian plants, no two of which belong to the same family.

ZOOLOGY.

1. Describe the chief features of the skeleton in any common fish.
2. In what respects does the digestive system of a bird differ from that of a mammal, and how are these differences explained on a basis of habit?
3. Describe the gills and circulation of the blood in the fresh-water mussel. Why is respiration an important function?
4. Describe the plan of segmentation in the common earthworm, mentioning those organs of the body to which the segmental arrangement does not apply.
5. Discuss the importance of the conservation of wild life in Canada.

BOOK-KEEPING.

The paper set is that given on page 89.

CHEMISTRY.

Time: $2\frac{1}{2}$ hours.

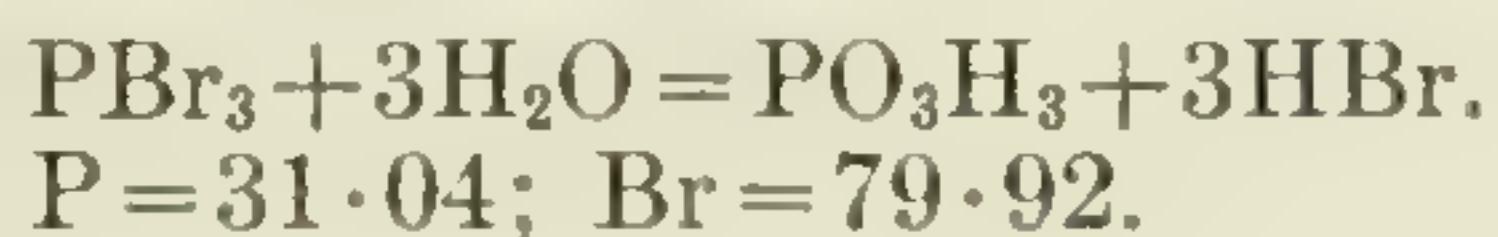
NOTE.—Seven questions only are to be attempted. All definite chemical reactions should be expressed by equations.

Value—100.

1. What is meant by reversible reaction? Tell what you know about chemical equilibrium and the laws which govern it.
2. What is a normal solution? How do you prepare such a solution? What weight do you use of the following substances when you make a litre of a normal solution of them: hydrochloric acid (HCl); sulphuric acid (H_2SO_4); sodium chloride (NaCl); calcium hydrate ($Ca(OH)_2$). *Atomic weights:* H = 1.008; O = 16; Cl = 35.46; Na = 23; S = 32.06; Ca = 40.07.
3. From what source is phosphorus obtained? By what process?
4. For what reasons do you consider the air as a mixture and not a compound?

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5. How do you prepare sulphuric acid (a) in the laboratory, (b) industrially?
6. What are the chemical products of the dry distillation of wood? What do you know about methyl alcohol?
7. What is saponification? Write an equation to illustrate reactions of this type.
8. In what group of organic compounds do you place starch? What bodies contain it in nature? What is the action when it is boiled with dilute acid?
9. Describe practical means of preparing acetylene? What are its properties and uses?
10. I wish to prepare 200 litres of hydrogen bromide. How much bromine and phosphorus must I use?



COMPOSITION.

Time: 3 hours.

NOTE.—Candidates are advised to give attention to their writing.

Values.

- 30 1. Write an essay of at least five paragraphs on *one* of the following subjects:—
 - (a) Canada's Jubilee, 1867 to 1917.
 - (b) A Description of One of the Naval Engagements of the War.
 - (c) A Week on the Farm.
 - (d) Aerial Navigation.
- 10 2. Write in correct form a note of apology to a friend for failing to keep an appointment.
- 15 3. Criticise the construction of the following sentences, and rewrite in improved form:—
 - (a) For thou art a girl as much brighter than her,
As he is a poet sublimer than me.
 - (b) He preferred to know the worst than to dream the best.
 - (c) He brought a picture under his arm which he asked permission to exhibit.
 - (d) I will have great pleasure in accepting your invitation.
 - (e) The manager is one of those who never interferes in matters which he has no control over.
- 10 4. Give the literal meaning of the following derivative words, that is, show by your definitions that you know what the prefixes and affixes mean:—*submarine*, *immigration*, *co-operate*, *bullock*, *transport*, *precaution*, *insecurity*, *recolonize*, *unspeakable*, *gosling*.
- 35 5. Write in concise form the gist of the following communication. Give a heading or title to each of your paragraphs. The synopsis should contain all the salient points, and nothing that is unimportant.

The Government of the King, which has associated itself with the answer handed by the President of the French Council to the American Ambassador on behalf of all, is particularly desirous of paying tribute to the sentiment of

humanity which prompted the President of the United States to send his note to the belligerent powers, and it highly esteems the friendship expressed for Belgium through his kindly intermediation. It desires as much as Mr. Woodrow Wilson to see the present war ended as soon as possible.

But the President seems to believe that the statesmen of the two opposing camps pursue the same objects of war. The example of Belgium unfortunately demonstrates that this is in no wise the fact. Belgium has never, like the Central Powers, aimed at conquests. The barbarous fashion in which the German Government has treated, and is still treating, the Belgian Nation does not permit the supposition that Germany will preoccupy herself with guaranteeing in the future the rights of the weak nations which she has not ceased to trample under foot since the war, let loose by her, began to desolate Europe. On the other hand, the Government of the King has noted with pleasure and with confidence the assurances that the United States is impatient to co-operate in the measures which will be taken after the conclusion of peace, to protect and guarantee the small nations against violence and oppression.

Previous to the German ultimatum, Belgium only aspired to live upon good terms with all her neighbours; she practised with scrupulous loyalty towards each one of them the duties imposed by her neutrality. In the same manner she has been rewarded by Germany for the confidence she placed in her. Through her, from one day to the other, without any plausible reason, her neutrality was violated, and the Chancellor of the Empire, when announcing to the Reichstag this violation of right and of treaties, was obliged to recognize the iniquity of such an act and to predetermine that it would be repaired.

But the Germans, after the occupation of Belgian territory, displayed no better observance of the rules of international law or the stipulations of the Hague Convention. They have, by taxation, as heavy as it is arbitrary, drained the resources of the country; they have intentionally ruined its industries, destroyed whole cities, put to death and imprisoned a considerable number of inhabitants. Even now, while they are loudly proclaiming their desire to put an end to the horrors of war, they increase the rigours of the occupation by deporting into servitude Belgian workmen by the thousands.

If there is a country which has a right to say that it has taken up arms to defend its existence, it is assuredly Belgium. Compelled to fight or to submit to shame, she passionately desires that an end be brought to the unprecedented sufferings of her population. But she could only accept a peace which would assure her, as well as equitable reparation, security and guarantees for the future.

The American people, since the beginning of the war, have manifested for the Belgian nation its most ardent sympathy. It is an American committee, the Committee for Relief in Belgium, which, in close union with the Government of the King and the National Committee, displays, an untiring devotion and marvellous activity in revictualling Belgium. The Government of the King is happy to avail itself of this opportunity to express its profound gratitude to the Commission for Relief as well as to the generous Americans eager to relieve the misery of the Belgian population. Finally, nowhere more than in the United States have the abductions and deportations of Belgian civilians provoked such a spontaneous movement of protest, action and indignant reproof.

These facts, entirely to the honour of the American nation, allow the Government of the King to entertain the legitimate hope that at the time of the definitive settlement of the war, the voice of the Entente powers will find in the United States a unanimous echo to claim in favour of the Belgian nation, innocent victim of German ambition and covetousness, the rank and the place which its irreproachable past, the valour of its soldiers, its fidelity to honour, and its remarkable faculties for work assigned to it among the civilized nations.

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ECONOMICS.

Time: $2\frac{1}{2}$ hours.

NOTE.—Six questions only are to be attempted.

Value—100.

1. (a) Define Land, Capital, Labour. (b) What arguments for and against including land and capital in the same category? (c) Do commodities have value because they embody labour, or does labour derive its value from the commodities it helps to produce?
2. Explain the banking facilities which the new Federal Reserve Banks of the United States are meant to provide, and compare with the manner in which similar needs are provided for by Canadian banks.
3. Have the experiences of the war tended to strengthen or to weaken the arguments for increased governmental regulation, supervision, or control, of industrial and commercial enterprises? Discuss.
4. (a) From what sources and on what terms are the farmers of Canada securing short-term and long-term credit? (b) What additional facilities in rural credits have the Provinces of Manitoba and Saskatchewan sought to provide?
5. (a) What are the main axes employed in the different Provinces for raising municipal revenues? (b) Do the experiences of our western cities justify the use of the "single" land tax for municipal taxation?
6. Outline the methods employed in recent Canadian and British war finance, (a) in the way of increased taxation, and (b) in public borrowing.
7. (a) Explain the methods employed by our Labour Department to measure increase or decrease in cost of living. (b) Indicate the advance of prices in Canada since the beginning of the war and compare with advance in other countries, and give the causes. (c) What is meant by the quantity theory of money? Apply it to this problem of advancing prices.
8. Why was it that the London Stock Exchange, the mechanism of international trade and the banking system of England were so embarrassed by the war, and how did the Imperial Government come to their relief?
9. (a) For the fiscal year of 1915 Canada imported gold coin and bullion to the value of \$131,992,992. Why? and whence? (b) In the calendar year 1915 the United States imported gold to the value of \$451,954,590, and for the year of 1916 to the amount of \$685,990,234. Account for this great increase of gold and indicate the use being made of it, and its effect upon prices and foreign trade.

10. For the last four calendar years the foreign trade of Canada (merchandise) is as follows:—

	Imports.	Exports.	Balance.
1913.....	\$678,169,442	\$ 460,519,246	-\$217,650,196
1914.....	481,319,309	428,315,512	-\$ 52,007,797
1915.....	450,547,774	653,488,412	+\$202,940,638
1916.....	776,731,891	1,112,244,002	+\$347,713,111

(a) Account for the drop in imports after 1913, and for the recent great increase in exports. (b) What are our main markets, and what are the chief articles of export that have brought about our increase in trade? (c) How were we settling our balance in 1913, and what are we doing with our balance now?

FRENCH AND ENGLISH.

Time: $2\frac{1}{2}$ hours.

Value—100.

1. *Translate into French:*

While an author is living, it is not extraordinary that mankind should form an erroneous estimate of his works. The influence which prejudice and partiality often possess over the minds of his contemporaries, is incompatible with a correct decision of his merits. It is not until time has effaced the recollection of party feelings, when the virtues and foibles of the man are forgotten, and the warm emotions of friendship or resentment are no longer felt, that the merit of an author can be fairly ascertained. So variable is public opinion, which is often formed without examination, and liable to be warped by caprice, that works of real merit are frequently left for posterity to discover and admire, while the pompous efforts of impertinence and folly are the wonders of the age. The gigantic genius of Shakespeare so far surpassed the learning and penetration of his times, that his productions were then little read and less admired.

2. *Translate into English:*

On aurait beau dire que la politesse n'est qu'une enveloppe, une écorce dont l'absence n'implique pas essentiellement un vice du cœur, cette enveloppe, cette écorce est nécessaire dans la société pour éviter les froissements qui peuvent se produire soit entre les personnes ordinairement étrangères les unes aux autres, soit entre des membres de même famille. Les hommes en société sont ainsi faits; nos théories ne les changent pas. Les plus belles, les plus pures qualités pourraient être méconnues et même importunes si ceux qui les possèdent, se confiant dans l'excellence du fond, négligeaient la forme. Il n'est pas permis de parler sèchement en disant des choses justes, ni de faire du bien avec des manières blessantes. La vraie politesse ne consiste pas simplement dans un attachement rigoureux aux formules cérémonieuses; elle consiste dans l'étude délicate des sentiments d'autrui et dans les égards soigneusement accordés à ces sentiments.

3. *Write a French Composition (about 200 words) on ONE of the following subjects:—*

Description of a Storm.
The Value of Time.
On Literary Evils.

GEOGRAPHY.

Time: $2\frac{1}{2}$ hours.

Values.

5 1. (a) Explain fully how by burning damp straw a light frost may be prevented from injuring young crops or fruit-blossoms.

5 (b) How is the water-supply of a country affected by the destruction of the forests? Explain fully.

5 (c) What is the "Laurentian penneplain"? Explain each of the two words in this connection.

6 2. (a) Name the *six* largest lakes of Canada west of Lake Superior.

6 (b) Name the *six* principal rivers of New Brunswick or the *six* principal rivers of Manitoba. (Only one province to be taken.)

6 (c) Name the *six* largest cities or towns of Canada east of Montreal.

10 3. (a) Describe the position on the map of any *five* of the following: Athabasca Landing, Beaufort Sea, Bras d'Or Lake, Hamilton Inlet, Marble Island, Michipicoten Island, Picton, Lake St. Peter.

10 (b) Describe the boundaries of the Province of Ontario.

10 4. (a) Name *five* of the National Parks of Canada, giving the position of each on the map.

8 (b) Name the *four* principal canals of Canada other than those along the St. Lawrence River, and state what natural obstacle to navigation was avoided in each case.

9 (c) What are the principal kinds of fish caught or sold in Canada, and in what waters is each kind chiefly found?

5 5. (a) Name the *five* principal colonies lost by Germany during the present war.

9 (b) Name the countries of Europe that are still neutral in the war, and describe their position on the map.

6 (c) Name the *six* principal cities or towns of the North of England.

GEOLOGY.

Time: $2\frac{1}{2}$ hours.

NOTE.—Not more than six questions are to be attempted. The first two questions must be answered. Four of the remaining questions (3 to 8) are to be answered. Be careful to answer separately the different parts of the questions.

Values.

16 1. State the chemical composition, the crystal form, the colour, and the economic uses of each of the following minerals: (a) Pyrite, (b) Orthoclase, (c) Cassiterite, (d) Magnetite.

16 2. (a) Name and state the mineral composition of *two* rocks that might occur in a batholith.
 (b) Name and state the mineral composition of *two* rocks that might occur in a dyke.
 (c) Name and describe *one* metamorphic rock.

17 3. (a) Give proofs of the secular elevation of land: (i) In Post-Glacial time; (ii) in remote geological time.
 (b) State some evidence of the degradation of land which you have observed yourself.

17 4. (a) What rocks are characteristic of each of the following subdivisions of the Pre-Cambrian: Laurentian, Grenville, Keeweenan?
 (b) State definitely *one* locality of occurrence in Canada of each of these formations.

17 5. (a) Name *two* phyla (branches) of Invertebrate fossils that you would consider as of especial value in stratigraphic geology.
 (b) Give full reasons for your selection.
 (c) Name *two* phyla of little stratigraphic value.
 (d) Give full reasons for your selection.

17 6. (a) To what systems do the rocks of the Rocky Mountains proper belong?
 (b) When and in what manner were these ranges formed?
 (c) Name the chief passes through these ranges, and state the railway or railways which make use of each.

17 7. (a) Name some typical Cretaceous fossils.
 (b) Indicate the geographical distribution of Cretaceous rocks in Canada.
 (c) What economic products are obtained from these rocks?

17 8. Explain fully why Canada is indebted to the Glacial Age for the following:—
 (a) Water-powers.
 (b) Gravel beds far from existing waters.
 (c) The easy gradient of the National Transcontinental Railway through northern Quebec and Ontario. -

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GEOMETRY.

Time: $2\frac{1}{2}$ hours.

NOTE.—Not more than seven questions are to be attempted.

Value—100.

1. (a) If two angles and a side of one triangle are equal respectively to two angles and the corresponding side of another triangle, the triangles are equal in all respects.
- (b) If two isosceles triangles are erected on the same or opposite sides of a common base, prove that the line joining the vertices bisects the vertical angles of the triangles, and is perpendicular to and bisects the common base.
2. (a) A quadrilateral which has two opposite sides equal and parallel must be a parallelogram.
- (b) ABCD is a parallelogram, and X, Y are the middle points of the sides AD, BC. If Z is a point on XY, or XY produced, show that the triangle AZB is one-quarter of the parallelogram ABCD.
3. (a) Prove that triangles on the same base and between the same parallels are equal in area. What is this area in terms of the length of the base and the distance apart of the parallels?
- (b) Bisect a triangle by a straight line passing through a given point in one of its sides.
4. (a) The sum of the squares on two sides of a triangle is equal to twice the square on half the base together with twice the square on the median to the base.
- (b) In any quadrilateral the sum of the squares on the sides equals the sum of the squares on the diagonals together with four times the square on the line joining the middle points of the diagonals.
5. (a) Equal chords of a circle are equidistant from the centre.
- (b) In a given circle draw a chord which shall be equal in length to one given straight line (not greater than the diameter) and parallel to another.
6. (a) The opposite angles of any quadrilateral inscribed in a circle are together equal to two right angles.
- (b) ABC is a triangle. P, Q, R are points on BC, CA, AB, respectively. Show that the circles described about the triangles AQR, BRP and CPQ meet in a point.
7. (a) Construct a square equal in area to a given rectangle.
- (b) Describe a circle to touch a given circle, and to touch a given straight line at a given point.
8. (a) To describe the escribed circle of the triangle ABC which touches the side BC and the other two sides produced.
- (b) Derive an expression for the radius of the escribed circle in terms of the sides and the area of the triangle.
9. (a) The areas of similar triangles are proportional to the squares on corresponding sides.
- (b) ABC and ADE are secants to a circle from a point A outside the circle.

$$\frac{\triangle ABE}{\triangle ADC} = \frac{BE^2}{DC^2}$$

Show that $\frac{\triangle ABE}{\triangle ADC} = \frac{BE^2}{DC^2}$.

10. (a) If from the vertical angle of a triangle a straight line is drawn perpendicular to the base, the rectangle contained by the sides of the triangle is equal to the rectangle contained by the perpendicular and the diameter of the circumcircle.
- (b) Construct a triangle, having given the base, the vertical angle and the rectangle contained by the sides.

MODERN HISTORY.

Time: $2\frac{1}{2}$ hours.

Value—100.

NOTE.—Six questions only are to be attempted.

1. Explain how the war began which resulted in the first siege of Louisbourg, and how it ended.
2. Outline the career of William Pitt, Earl of Chatham.
3. Explain how the first Republic came to be founded in France, and why the King was executed.
4. Why was the Peace of Amiens not enduring?
5. Why did Napoleon fall?
6. How did Free Trade come about in England?
7. Why did Canada not join the revolted Colonies in the American Revolution?
8. On what would you base the claim that Montcalm was a great general?
9. Indicate the place of Simcoe in the history of Upper Canada.
10. Explain the circumstances which brought Manitoba and British Columbia into the Canadian federation.

LATIN.

Time: $2\frac{1}{2}$ hours.

NOTE.—Candidates will translate two only of the three following extracts, answering the questions appended to the extracts selected.

Value—100.

Translate:

I. Labienus etiam, cum Caesaris copias despiceret et Pompei consilium laudaret, "Noli", inquit, "existimare, Pompei, hunc esse exercitum, qui Galliam, Germaniamque vicerit. Omnibus interfui proeliis neque temere incognitam rem pronuntio. Minima pars illius exercitus superest: magna pars periit, quod accidere tot proeliis necesse fuit; multos pestilentia consumpsit, multi domum discesserunt, multi sunt relieti in Italia. An non audistis ex eis, qui per causam valetudinis remanserunt, cohortes Brundisi esse factas? Ac tamen quod fuit roboris duabus proeliis superioribus interiit." Haec, cum dixisset, iuravit se nisi victorem in castra non reversurum, reliquosque ut idem facerent, hortatus est.

(a) Parse, giving the principal parts of the verbs: *periit*, *audistis*, *remanserunt*, *reversurum*. (b) Explain the term *cohors*. (c) What mood is *vicerit*, and why? (d) What case is *proeliis* (*omnibus interfui proeliis*), and why? (e) What case is *Brundisi*?

II. Hac re audita, barbarus, nihil doli subesse ratus, postridie loco sibi a benissimo, hostibus opportunissimo, adeo angusto mari confixit, ut eius multitudine navium explicari (explicare = *to deploy into line*) non potuerit. Victor ergo est magis consilio Themistoclis quam armis Graeciae. Hic quamquam male rem gesserat, tamen tantas habebat copias relietas, ut etiam cum his superare posset hostes. Itaque Themistocles veritus ne bellare perseveraret, certiorem eum fecit id agi, ut pons, quem ille in Hellesponto fecerat, dissolvetur, ac redditu in Asiam excluderetur, idque ei persuasit. Itaque in Asiam reversus est seque a Themistocle non superatum sed conservatum judicavit.

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(a) Parse, giving the principal parts of the verbs: *ratus*, *confixit*, *gesserat*, *dissolveretur*. (b) What kind of genitive is *doli*? (c) Comment on the mood of *fecerat*. (d) What kind of ablative is *consilio*? (e) What is the accusative singular of *mari*?

III. *Aeneas scopulum interea conscendit et omnem
Prospectum late pelago petit, Anthea si quem
Iactatum vento videat Phrygiasque biremes,
Aut Capyn, aut celsis in pupibus arma Caici.
Navem in conspectu nullam, tres litore cervos
Prospicit errantes; hos tota armenta sequuntur
A tergo, et longum per valles pascitur agmen.
Constitit hic arcumque manu celeresque sagittas
Corripuit, fidus quae tela gerebat Achates,
Ductoresque ipsos primum, capita alta ferentes
Cornibus arboreis, sternit, tum vulgus et omnem
Miscet agens telis nemora inter frondea turbam.*

(a) Parse, giving the principal parts of the verbs: *pascitur*, *constitit*, *corripuit*, *gerebat*, *nemora*. (b) Comment on the termination of the accusative *Anthea* (c) Comment on the use of *quem* in l. 2. (d) Scan. l. 3.

IV. *Translate into Latin six only of the following sentences:—*

1. With such words the generals used to exhort their men.
2. Let us enter the city in order that we may dwell there.
3. Have you not told all these things to your wise friends?
4. Cæsar ordered the camp to be fortified with a rampart.
5. I am afraid that they may not come on the fifth day.
6. Having learnt these things, we retreated at once to Rome.
7. The lieutenant told the general that all our men had been killed.
8. He asked me when I had returned home.
9. If you send me the books, I shall read them with care.
10. To err is human, to forgive divine.
11. He is so foolish that he can never do a wise thing.
12. It is the duty of all citizens to fight bravely and spare the conquered.

V. *Candidates will attempt ONE only of these groups of questions:*

A. (a) What do you mean by a semi-deponent verb? Give three examples. (b) Give the genitive singular of: *alter*, *senex*, *bos*, *respublica*, *dives*; and the genitive plural of: *genus*, *ars*. (c) Give Latin sentences illustrating the use of the supine in *-um*, and of the supine in *-u*. (d) Write the Latin for: 11, 15, 28, 400.

B. (a) Give the comparative and superlative of: *acer*, *pius*, *male*. (b) Distinguish in meaning between: *quidam*, *quisquis*, *quisque*, *quisquam*. (c) What verbs in Latin govern the genitive? (d) Give the gender of: *iter*, *fons*, *pelagus*, *aestas*. (e) Parse: *esto*, *duxere*, *superasset*. Give three perfects in Latin which have a present meaning.

C. (a) From what verbs do the following perfects come: *quaesivi*, *questus sum*, *finxi*, *fixi*, *vici*, *vixi*, *vinxi*? (b) Write Latin sentences containing examples of: ablative of manner, ablative of price, ablative of description. (c) What cases do the following prepositions govern: *ob*, *penes*, *coram*? (d) Give the meaning of the following nouns when they are used in the plural: *finis*, *vis*, *littera*, *aedes*.

ENGLISH LAW.

Time: $2\frac{1}{2}$ hours.

NOTE.—Eight questions only are to be attempted.

Value—100.

1. Describe briefly the procedure relating to a preliminary enquiry held under the provisions of the Criminal Code in the case of a person accused of a crime.
2. Define (a) burglary, (b) house-breaking, (c) robbery.
3. What power have the Dominion Parliament and the provincial legislatures, respectively, to legislate on the subject of education?
4. Indicate briefly to what extent the system of government established by the British North America Act, 1867, is similar in principle to that of the United Kingdom, and to what extent it is similar in principle to that of the United States of America.
5. B draws on A a bill of exchange payable to C at a named place three months after date. C presents the bill, obtains A's acceptance, and endorses and delivers the bill to D. D endorses and delivers the bill to E. Explain briefly the rights and liabilities of A, B, C, D, and E, respectively.
6. Define a cheque, and explain in what respects it differs from a bill of exchange.
7. The Bank Act forbids a bank to lend money or make advances on the security of any goods, wares and merchandise. Outline the exceptions to this prohibition.
8. Explain what is meant by conditions and warranties, respectively, in connection with a sale of goods. What are the remedies of the buyer in case of breach?
9. What is stoppage *in transitu*? How may the right be exercised? When does the transit end for this purpose?
10. A and B carry on business as partners and become indebted to X. Then B retires from the partnership. A and C form a partnership and agree to pay the debts of the old firm and to indemnify B against liability in respect of such debts. These facts become known to X. Whom is X entitled to sue for the debt? Reasons.
11. What is meant by the statement that an act or contract is *ultra vires* of a company? Illustrate.
12. A company is incorporated with an authorized capital of \$50,000, divided into 500 shares. A desires to become a shareholder to the extent of ten shares. In what ways can he do so? What will be the amount of his liability to the creditors of the company?

LITERATURE (ENGLISH).

Time: $2\frac{1}{2}$ hours.NOTE.—Candidates will take Question 9 and any *five* of the others.

Value—100.

1. Write brief notes explaining the importance in English Literature of any *three* of the following: John Wyclif, Sir John Mandeville, Sir Thomas More, William Tyndale, Sir Thomas Malory, William Caxton.
2. Name *three* English dramatists contemporary with Shakespeare, and give a brief sketch of the life and work of any *one* of them.
3. Tell briefly the story of Milton's life. Name his chief poems and prose works. Give such an account of any *one* poem as would enable a person who had not read it to get an adequate idea of its subject and style.
4. Name *three* poets and *three* prose writers who did their chief work between 1660 and 1744. Give a list of the works of *one* from each group, with brief explanatory notes on the chief works you mention.
5. Write explanatory and descriptive notes on any *three* of the following: Johnson's *Dictionary*, Percy's *Reliques*, Macpherson's *Ossian*, Richardson's *Pamela*, Thomson's *The Seasons*, and Swift's *Gulliver's Travels*.
6. Write notes on any *two* of the following, naming their chief works and explaining their importance in English Literature: Coleridge, Charles Lamb, De Quincey, Jane Austen, Hazlitt.
7. Name what you consider the *four* greatest poets and *four* greatest prose writers (excluding novelists) of the Victorian Age. Describe *one* important work of *one* poet and *one* work of *one* prose writer in your list.
8. Name *five* great novelists of the Victorian Age and *two* novels of each of them. Give a brief sketch of the life of any *one*.

9. To SHAKESPEARE, 1916.

With *what white wrath must turn thy bones*,
 What stern amazement *flame thy dust*,
 To feel so near this England's heart
 The outrage of the assassin's thrust.

But surely, too, thou art consoled,—
 Who knewest thy stalwart breed so well,—
 To see us rise from sloth and go,
Plain and unbragging, through this hell.

And surely, too, thou art *assured!*
 Hark how that grim and gathering beat
 Draws upwards from the ends of earth—
 The tramp, *tramp of thy kindred's feet!*

- (a) Explain the italicised parts.
- (b) What is the probable reference in lines 3 and 4?
- (c) What appropriateness is there in a patriotic poem to Shakespeare, and in the date 1916?

PHILOSOPHY (GENERAL).

Time: $2\frac{1}{2}$ hours.

NOTE.—Seven questions only are to be attempted.

Value—100.

1. What is meant by Methodical Doubt in the Philosophy of Descartes, and how is it distinguished from the doubt of the Skeptics?
2. "That there is a God may be demonstrated solely from the consideration that there is involved in our knowledge of Him the necessity of His Being or existence." Explain the demonstration of the existence of God to which Descartes here refers, and estimate its value.
3. Compare the main principles of Descartes and Spinoza.
4. "The Monads have no windows by which anything can enter or emerge." Explain this saying. How does Leibnitz seek to show that his theory of Monads proves the individuality of all real things?
5. State and examine the distinction drawn by Kant between the Categories of the understanding and the Ideas of reason.
6. Illustrate "Weber's Law" by examples. How does Fechner interpret the facts upon which it is based?
7. What is the relation of habits to the nerve-centres? How does an habitual act differ from a purely voluntary act. Give some practical rules for the formation of new habits.
8. Distinguish between perception and sensation, and also between emotion and instinct.
9. Discuss the problem as to the comparative value of the following theories of punishment: the preventive theory, the reformatory theory, and the retributive theory.
10. "The end of morality is pleasure." "To make pleasure the end is to destroy morality." Contrast these two theories of conduct and give your own view.
11. What is the function in the moral life that great art subserves? Discuss the view that the presentation of ideals is a "criticism of life."

PHYSICS

Time: $2\frac{1}{2}$ hours.

NOTE.—Eight questions only are to be attempted.

Value—100.

1. Define the units dyne, gramme, foot-pound.
If one inch is equal to 2.54 centimetres, find the number of litres in one cubic foot.
2. A straight, uniform lever, whose length is 5 feet and weight 10 lb, has its fulcrum at one end. Weights of 2 and 4 lb are fastened to it at distances of 1 foot and 3 feet, respectively from the fulcrum, and it is kept horizontal by a force at the other end. Find this force, and also the reaction of the fulcrum.

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3. Explain what is meant by the parallelogram of forces.
 The base of an inclined plane is 4 feet and the height 3 feet. A force of 8 lb weight parallel to the plane will just prevent a mass of 20 lb weight from sliding down. Find the coefficient of friction.

4. Explain the principle of (1) a siphon and (2) a barometer.
 A body of specific gravity 5· weighs 20 grams in a vacuum. What will this body weigh when immersed in water?

5. What is meant by (1) *boiling point*, (2) *latent heat of vaporisation*, and (3) *relative humidity*?
 How would you show that heat is a form of energy?
 Describe an experiment to illustrate (1) conduction, (2) convection, and (3) radiation of heat.

6. If the weight of 1 litre of air at 0° C. and 76 cm. of mercury pressure be 1·293 grams, find the weight of air in a room $20 \times 10 \times 4$ meters, when the temperature is 15° C. and the pressure 74 cm. of mercury?

7. What is meant by *refractive index*?
 An object 2 inches long is placed 8 inches in front of a convex lens of 4-inch focal length. Find by means of a diagram the position and length of the image.

8. What are some of the more common ocular defects? How may each of them be remedied?
 How would you show that it is possible to recombine light of different colours in such a way as to produce white light?

9. Explain *acoustical resonance*, *interference*, and the production of *beats*.
 A stretched string 4 feet long is in unison with a tuning-fork which vibrates 256 times a second. What will be the rate of vibration of the string when it has been shortened 6 inches, the tension remaining the same?

10. What is meant by *Magnetic Dip*, and by *Declination*?
 Make a sketch of the configuration of the lines of force for two bar magnets (with poles marked) placed near each other in any relative position you choose.

11. Describe some form of voltaic cell.
 Explain the action of the astatic galvanometer.
 What are Faraday's Laws of Electrolysis?

12. Explain what is meant by induced currents.
 How would you use an induction coil to produce cathode rays and Röntgen rays?

POLITICAL SCIENCE.

Time: $2\frac{1}{2}$ hours.

NOTE.—Five questions only are to be attempted.

Value—100.

1. Explain the terms: sovereignty; state; society; separation of powers; responsible government; the referendum; laissez-faire; electoral college; neutrality; neutralization.
2. Describe the composition and powers of the Cabinet in the United Kingdom in normal times. What changes have recently been effected?

3. Write brief notes on the following:—

Proportional Representation.

The Imperial Conference.

The Committee System in the French Parliament.

4. In what different ways may constitutions be amended formally? In what other ways may change come about? What is the method of formal change in each of the following: the United Kingdom, France, the United States, Australia, South Africa, Canada, a Canadian province?

5. Explain the terms: federal government; unitary government; parliamentary or cabinet government; presidential or non-parliamentary government; and classify any *fifteen* states of Europe and North America according to these categories.

6. Write notes on the following, giving illustrations from the present war:—
 Treaties of guarantee against invasion.
 The authority of the rules of international law.
 The Law of Contraband and the Doctrine of Continuous Voyage.

7. Outline the form of government of any *two* of the states of Continental Europe.

8. What subjects are assigned to the Dominion in the division of legislative powers, and what to the provinces? What are the portfolios in the Dominion Government, and what are the chief duties assigned to each minister?

9. What is meant by the principle of nationality? In what parts of Europe is it not in force to-day? In what different ways could it be given effect? What other considerations will have to be borne in mind when the map of Europe is redrawn?

10. Write notes on any *five* of the following, stating the place and period in which each lived, naming his most important works and stating briefly the theory or theories for which he is noted: Hobbes, Burke, Rousseau, Maine, Machiavelli, Spencer, Paine, Locke.

SHORTHAND.

The paper set is that given on page 93.

SPELLING AND DICTATION.

SPELLING.

Time: 30 minutes.

NOTE.—Copy the following, correcting the errors in spelling; 5 marks will be deducted for every misspelled word in your copy.

Value—50.

One of the first surprises awaiting the tourist from the Northern Hemisphere, when he visits the remote continents of the Southern Pacific, is to find that Australia and New Zealand may not be grouped as two islands of like appearance, differing mainly in size; near neighbors which may be treated as a unit. New

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Zealand is nerely twice as far from Australia as Bermuda is from New York, and in climat and vegatation the two dominions are as unlike as Norway and South Carolina.

Australia is in no sense inferier to New Zealand in geographic intrest, but lofty peeks, profound canions, and active volcanose, all found in New Zealand, are lacking; its rivers are unimpresive, and its permanent lakes small and few in number. Uneek vegatation of remarkable variaty and beuty, animal life of by-gone geollogicel pereods, and an aborigenel populashun, the lowest in the skale of human beings, stand out as feetures distinctly Australian. It is the land of the strange and cureus, unlike any other on earth. Its isolation has kept out the animals of other countries and allowed species of old geologic ages to persist; it has resulted also in the continuence of plant forms there that have lost the race for existance in other contenant. The great animal grups which devollopedit in geollogicel pereods before the land briges to other countries had been destroyed, are reppresented in Australia.

DICTATION.

Time: 30 minutes.

NOTE.—This paper should not be seen by the candidates. The Examiner will read over the whole extract once, and then reread it slowly and distinctly, indicating to the candidates the occurrence of each full stop. A third reading of the whole extract may be given if sufficient time remains. The whole time occupied should not be more than half an hour.

Value—50.

To untutored man, provided only with implements of stone, the facilities presented by the great copper regions of Lake Superior for the beginnings of a knowledge of mineralogy were peculiarly available. The water-worn stone from the beach, patiently ground to an edge, made his axe and tomahawk; the bones of the deer pointed his spear or were wrought into fish-hooks, and the shale or flint was chipped and ground into his arrow-head after a pattern used in every primitive age. But besides such materials of universal occurrence, the primitive occupant of the shores of Lake Superior found there a stone possessed of some very peculiar virtues. It could not only be wrought to an edge without liability to fracture, but it was malleable, and could be hammered out into many new and convenient shapes. This was the copper, found in the rocks of that region in inexhaustible quantities in a pure metallic state. In other rich mineral regions, as in those of Cornwall and Devon, the principal source of this metal is from ores, which require both labour and skill to fit them for economic purposes. But in the copper region of Lake Superior, the native metal occurs in enormous masses, weighing hundreds of tons; and loose blocks have been found lying detached on the surface in sufficient quantities to supply all the wants of the nomad hunter.

TYPEWRITING.

The paper set is that given on page 94.

